Kinnis Gosha, Ph.D.

Division Chair, Experiential Learning and Interdisciplinary Studies
Hortenius I. Chenault Endowed Associate Professor in the Department of Computer Science at Morehouse College
Culturally Relevant Computing Lab, Director

Email: kinnisgosha@gmail.com or kinnis.gosha@morehouse.edu
Website: www.kinnisgosha.com
Office Phone: 470.639.0634
Department Fax: 404.614.8576

Mailing Address:
Computer Science Dept.
830 Westview Drive SW
Morehouse College
Atlanta, GA 30314

Areas: Broadening Participation in Computing, Computer Science Education, Conversational Agents & Virtual Mentoring

Education

August 2009 – May 2013	**Clemson University**

Clemson University
Doctorate in Human-Centered Computing
Technology Entrepreneurship Certificate from Spiro Institute for Entrepreneurial Leadership
Dissertation: The Application Of Embodied Conversational Agents For Mentoring African American STEM Doctoral Students
Advisor: Dr. Juan E. Gilbert

August 2005 – July 2009

Auburn University
Masters of Science in Computer Science and Software Engineering (May 2007)
Research Areas: Database Systems & Human-Centered Interaction
Advisor: Dr. Juan E. Gilbert

August 2001 – May 2005

Albany State University (Albany, Georgia)
Bachelor of Science in Computer Science (Business Emphasis)

Total Funding Amount (In PI or Co-PI Role): $21,626,463

Federal Government Grants and Contracts

1. Kraemer, E., Washington, G., **Gosha, K.** (2021) Characterizing Inclusive Strategies that Retain Black Students in Computer Science to Graduation and Beyond. National Science Foundation. Amount: $394,081.00. Award Date: 07/13/2021. Award #2111524.

2. Hodge, M., Muldrow, L., **Gosha, K.**, Blumer, L. (2020) HBCU STEM Undergraduate Success Research Center. National Science Foundation. Amount: $8,999,937. Award Date: 08/18/2020. Award #2010676 (Original CoPI).

3. Payton, J., Rorrer, A., Barnes, T. & **Gosha, K.** (2020) Collaborative: The STARS Aligned: How the STARS Computing Corps Broadens Participation in Computing. National Science Foundation. Amount: $749,949. Award Period: 10/01/2020 - 09/30/21. Award #2022660.

4. **Gosha, K.** (Last Update in 2022) Cyber Spectrum Collaborative Research Environment (C-SCORE). Department of Defense. Prime: Georgia Tech Research Institute (FA8650-15-D-1833-FA865019F1682). Morehouse Amount: $450,418. Award Period: January 1, 2020 – June 30, 2022.

5. **Gosha, K.** (2019) BDPA Collegiate Chapter Planning Workshop. Division Of Human Resource Development, National Science Foundation. Amount: $49,988. Award #1933668.

6. Howard, A., Borenstein, **Gosha, K.** (2019) An Inclusive Workshop to Develop Best Practices and Guidelines for Fairness, Ethics, Accountability, and Transparency in Computer and Information Science and Engineering. NSF, CISE, $100,000. Award #1903909.

7. **Gosha, K.** & Mack, N. (2018) Cyber Spectrum Collaborative Research Environment (C-SCORE). Department of Defense. Prime: Georgia Tech Research Institute (FA8651-16-D-0049—FA8651-18-F-1053). Morehouse Amount:

$437,814. Award Period: October 18, 2018 – December 15, 2019.

8. **Gosha, K.** (2018) Pairing Atlanta High School Teachers with HBCU Computer Science Students to Train Them on AP Computer Science Principles, NSF, CISE, $315,621. Award #1837541

9. **Gosha, K.** & Davis, T. (2018) Excellence in Research: Evaluating the Use of Virtual Mentoring for HBCU Undergraduates in Computer Science, NSF, CISE, $1,224,853. Award #1831964

10. Hodge, M., **Gosha, K.**, Muldrow, L., & Blumer, L. (2018) HBCU Identity Research Center for STEM, NSF, HRD Division Of Human Resource Development, $1,617,134. Award #1818458

11. Muldrow, L., **Gosha, K.** (2018) Targeted Infusion Project: Creation of a for Credit Online Scientific Literacy Pre-Freshman Summer Bridge Program. Targeted Infusion Project, HBCU-UP, NSF, 2018-2020, $444,988.

12. **Gosha, K.** (2017) HBCU-DCL EAGER: Preparing Underrepresented Students for the Engineering and Computer Science Professoriate Virtually Using Embodied Conversational Agents. Broadening Participation in Engineering, NSF, $299,932, 2017-2019.

13. **Gosha, K.** (2017) Cyber Spectrum Collaborative Research Environment (C-SCORE). US Air Force. Prime: Georgia Tech Research Institute (FA8075-14-D-0018-0026). Morehouse Amount: $157,500. Award Period: October 24, 2017 – September 30, 2018.

14. Haynes, C., **Gosha, K.,** Gerhardt, R., Mendez, S., Conley, V. (2017) Increasing Minority Presence within Academia through Continuous Training (IMPACT). Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science, NSF.

15. (Senior Personnel) Gilbert , J. (2016) NSF BPC-A: Institute for African-American Mentoring in Computing Sciences (iAAMCS). Total Grant Amount: $5,089,295, Subaward Amount ($60,000).

16. Marshall, B., **Gosha, K.** (2015) Data Science eXtension (DSX): Incorporating data science fundamentals in computing curriculum at Spelman and Morehouse Colleges. HBCU-UP Targeted Infusion, NSF, $395,660 (Morehouse Total: $208,292) 2016-2019.

17. **Gosha, K.,** Marshall, B. (2015) Collaborative: Planning a Dual Institution Research Center in Socially Relevant Computing, CREST Broadening Participation Research, NSF, $300,000, 2016-2019.

18. Muldrow, L., **Gosha, K.** (2015) Increasing Retention by Creating a Growth Mindset Culture with Utilitarian Scientific Literacy Skills, Minority Science and Engineering Improvement Program, Department of Education, $750,000, 2015-2018.

19. **Gosha, K.,** Lewis, C., Albert, J. (2015) HBCU-UP Broadening Participation Research Project: Exploring Computing Careers through a Virtual Career Fair Using Embodied Conversational Agents, NSF, $349,057, 2015-2018.

20. Muldrow, L., **Gosha, K.,** Crosby, N., Marks, B. (2014) Freshman Intervention and Retention in STEM Through Scientific, NSF, $250,000, 2015-2017.

NSF Subawards (Non-PI on primary award, lead on subaward at Morehouse)

21. **Gosha, K.** (2020) NSF CI Fellows Postdoctoral Research Program (Naja Mack). Amount: $263,250

22. **Gosha, K.** (2015) Academic Year Undergraduate Research. Subaward for the NSF BPC-A: Institute for African-American Mentoring in Computing Sciences (iAAMCS). Amount $8,500, 8/2015-3/2016.

* See Honors and Awards

23. **Gosha, K.**, (2015) Academic Year Undergraduate Research. Subaward for the NSF BPC-A: Institute for African-American Mentoring in Computing Sciences (iAAMCS). Amount $8,500, 8/2014-8/2015.

24. **Gosha, K.**, (2014) Academic Year Undergraduate Research. Subaward for the NSF BPC-A: Institute for African-American Mentoring in Computing Sciences (iAAMCS). Amount $9,500, 8/2013-8/2014.

Foundation Grants

25. Washington, T. & **Gosha, K.** (2021) AUC-Sloan Open Source Software Development Postbaccalaureate Program. Alfred P. Sloan Foundation. Award: #2021-16700. Amount: $249,994.

26. **Gosha, K.** (2018) Juvenile Detention Alternatives Initiative Data Management and Reporting. Annie E. Casey Foundation. Amount: $40,106.

27. **Gosha, K.** (2017) Juvenile Detention Alternatives Initiative Data Management and Reporting. Annie E. Casey Foundation. Amount: $47,552.

28. **Gosha, K.** (2016) Juvenile Detention Alternatives Initiative Data Management and Reporting. Annie E. Casey Foundation. Amount $60,000.

29. **Gosha, K.** (2015) Juvenile Detention Alternatives Initiative Data Management and Reporting. Annie E. Casey Foundation. Amount $50,800.

30. **Gosha, K.**, (2014) Juvenile Detention Alternatives Initiative Data Management and Reporting. Annie E. Casey Foundation. Amount $66,804.

31. **Gosha, K.**, (2013) Juvenile Detention Alternatives Initiative Data Management and Reporting. Annie E. Casey Foundation. Amount $45,000.

Other Funded Grants, Sponsorships and Gifts

32. **Gosha, K.** (2022) Microsoft, Conference Travel Support. Amount: $5,000

33. **Gosha, K.** (2022) Honeywell, EngageComputing Program. Amount: $5,000

34. **Gosha, K.** (2022) Slack/Salesforce, Workforce Experiential Learning Program. Amount: $75,000

35. **Gosha, K.** (2022) Product Management Minor Planning Grant. Nordstroms. Amount: $61,700

36. **Gosha, K.** (2022) Software Engineering Graduate Program Planning Grant. Amazon Music. Amount: $61,700

37. **Gosha, K.** (2022) Planning Grant, Ethical Software Engineering Graduate Certification. Coursera (supplement). Amount: $15,000

38. **Gosha, K.** and Marks, B. (2021) Jigsaw/Google, Research Grant. Amount: $100,000 (Additional Supplement)

39. **Gosha, K.** (2021) McKinsey & Company, Inc. Workforce Experiential Learning Program. Amount: $26,760

40. **Gosha, K.** (2021) Gitlab, EngageComputing Program. Amount: $5,000

41. **Gosha, K.** (2021) Cisco, Book Scholarships. Amount: $4,000

42. **Gosha, K.** (2021) Microsoft, Unrestricted Gift. Amount: $50,000

43. **Gosha, K.** (2021) Autodesk Sponsorship Tech Program. Autodesk. Amount: $42,000

* See Honors and Awards

44. Cooper, D., **Gosha, K.,** Malik, R. (2021) Boeing Cyber Grant. Computing Outreach. Amount: $87,500.

45. **Gosha, K.** (2021) Start-up Package Award for Data Science Junior Faculty (Nathan Alexander). Atlanta University Center Consortium Data Science Initiative. Amount: $10,000.

46. **Gosha, K.** (2021) Accreditation, Curriculum & Computer Lab Support. Home Depot. Amount: $80,000

47. **Gosha, K.** (2021) Communicable Disease Exposure Risk Calculation Using Social Media Data Mining. Research Contract. Digital Infuzion. Amount: $49,819

48. **Gosha, K.** (2021) Amazon Web Service Software Development Curriculum Support. Amount: $9,000

49. **Gosha, K.** (2021) Gitlab Software Development Curriculum Support. Amount: $4,000

50. **Gosha, K.** (2021) Coursera Course Development grant. Amount: $35,000

51. **Gosha, K.** (2021) Dell, J-Mester Certificate Program grant. Amount: $15,000

52. **Gosha, K.** and Marks, B. (2021) Jigsaw/Google, Research Grant. Amount: $100,000

53. **Gosha, K.** (2021) Expedia, Open Doors x Open Source Support Gift. Amount: $10,000

54. **Gosha, K.** (2021) Dell, Sales Engineering Course Support. Amount: $18,000

55. **Gosha, K.** (2021) Microsoft, Unrestricted Gift. Amount: $100,000

56. **Gosha, K.** (2021) Autodesk, Unrestricted Gift. Amount: $50,000

57. **Gosha, K.** (2020) Google Research Award, TinyML Planning Grant. Amount: $25,000

58. **Gosha, K.** (2020) Dell Technologies, Corporate Bootcamp Pilot. Amount: $140,000

59. **Gosha, K.** (2020) Dell Technologies, Software Engineering Student Scholarship Support. Amount: $28,000

60. **Gosha, K.** (2020) JP Morgan Chase Gift, to support Software Engineering. Amount: $20,000

61. **Gosha, K.** (2020) Dell Technologies Project Immersion Course Sponsorship. Amount: $6,000

62. **Gosha, K.** (2020) Dell Technologies Project Immersion Software Engineering Student Scholarships. Amount: $14,000

63. **Gosha, K.** (2020) Autodesk Sponsorship Tech Program. Autodesk. Amount: $30,000

64. **Gosha, K.** (2020) EngageCS Program. Dell. Amount: $3,000

65. **Gosha, K.** (2020) Building Capacity for Software Engineering Students at Morehouse College. Boeing HBCU Capacity Grant. Amount: $50,000

66. **Gosha, K.** (2019) Supplement to the Hortinius I Chenault Endowed Chair. Amount: $500,000

67. **Gosha, K.** (2019) Gift for Software Engineering Lab. J.P. Morgan Chase. Amount: $100,000.

68. **Gosha, K.** (2019) Design Thinking Workshop Gift. Dell Technologies. Amount: $5,000**.**

69. **Gosha, K**. (2019) Text Mining Workshop Grant. Atlanta University Center Consortium. Amount: $4,500.

* See Honors and Awards

Kinnis Gosha, PhD

70. Cooper, D., **Gosha, K.,** (2018) Boeing Cyber Grant. Computing Outreach. Amount: $87,500.

71. **Gosha, K.** (2018) EngageCS Program. PayPal. Amount: $7,000

72. Muldrow, L., **Gosha K.,** Cain, G. (2018) Verizon Minority Male Program. Amount: $300,000

73. Joyner, T., **Gosha, K.** (2017) Culturally Relevant Computing. Governor's Office of Student Achievement Innovation Fund Tiny Grant Program. Amount: $6,998.

74. **Gosha, K.** (2017) Georgia CS Education Resource Center. Google CS4HS Special Topic Award. Amount: $10,000.

75. Shaw, J., **Gosha, K.,** (2015) Boeing Cyber Grant. Computing Outreach. Amount: $45,000.

76. Ericson, B., **Gosha, K.** (2016) RISE Up 4 CS. Google Rise Award. Total Grant Amount: $25,000.

77. **Gosha, K.,** Cooper, D. (2016) Sphero Coding Racing League Program. Boeing Cyber Grant. Total Grant Amount: $53,100

78. Volcey, J., **Gosha, K.** (2015) Establishment of a Faculty Learning Community Around the Use of Makerspaces, Associated Colleges of the South Faculty Advancement Grant. Amount $11,000, 1/2016-11/2016.

79. Shaw, J., **Gosha, K.,** (2015) Boeing Cyber Grant, Technology Leadership Center. Amount: $42,750.

80. **Gosha, K.,** (2015) Collaborative Research Experience for Undergraduates Award. CRA-W and CDC, $10,500.

81. **Gosha, K.** (2015) Boeing AUC Technology Leadership Center. Amount $220,000.

82. **Gosha, K.** (2014) Morehouse STARS Leadership Corps. Amount $7,000.

83. **Gosha, K.,** (2013) Associated Colleges of the South Faculty Advancement Proposal, Pilot Testing for Virtual Writing Assistants for Enhancing Writing Competency. Amount: $9,880.

84. **Gosha, K.,** (2013) Associated Colleges of the South Faculty Advancement Proposal, The Creation of an Evening Video and Text Chat Tutorial Service. Amount: $10,000.

85. **Gosha, K.,** (2013) Collaborative Research Experience for Undergraduates Award. CRA-W and CDC, $29,500.

86. **Gosha, K.** (2013) Morehouse STARS Leadership Corps. Amount $28,200.

87. Cooper, D., **Gosha, K.,** (2013) Boeing Cyber Grant, Tutorial Program for the Division of Science and Mathematics. Amount: $50,000.

88. **Gosha, K.,** (2012) Associated Colleges of the South Faculty Advancement Proposal, Increasing Writing Competency Using Virtual Writing Assistants. Amount: $8,000.

89. **Gosha, K.,** (2012) CRA-W/CDC Distinguished Lecture Series (DLS), Amount: $1,967.

90. **Gosha, K.,** (2012) Collaborative Research Experience for Undergraduates Award. CRA-W, CDC, and A4RC, $30,300.

91. **Gosha, K.** (2012) Morehouse STARS Leadership Corps. Amount $14,100.

Book Chapters

1. Hall, A. & **Gosha, K.** (2020) Navigating the Peer Mentoring Relationship: A Handbook for Women and Other Underrepresented Populations in STEM. *Chapter 8: Using Virtual Platforms to Facilitate Peer Mentoring*

* See Honors and Awards

Relationships. Kendall Hunt Publishing Company.

2. Jackson, J. F. L., Gilbert, J. E., Charleston, L. J., **Gosha, K.** (2009). Differential gender effects of a STEM-based intervention: An examination of the African American researchers in computing sciences program. In H. T. Frierson, W. Pearson, J. H. Wyche (Eds.), Black American Males in Higher Education: Research, Programs, and Academe. Bingley, UK: Emerald, Volume 7, pp. 317-330.

Journal Publications (Morehouse College & Spelman College undergraduate co-authors in grey)

3. Cummings, R., Huff, E., Mack, N., Womack, K., Reid, A., Ghoram, B., **Gosha, K.**, & Gilbert, J.E. (2020). An Exploration of Black Students Interacting with Computing College and Career Readiness Vlog Commentary Social Media Influencers. Computing in Science & Engineering. IEEE. https://doi.org/10.1109/MCSE.2020.3005635

4. Mendez, S., Johanson, K., Conley, V., **Gosha, K.**, Mack, N., Haynes, C., Gerhardt, R. (2020) Chatbots: A Tool to Supplement the Future Faculty Mentoring of Doctoral Engineering Students. International Journal of Doctoral Studies, Volume 15, 373-392. https://doi.org/10.28945/4579

5. Mack N.A., Cummings R., Huff E.W., **Gosha K.**, Gilbert J.E. (2019) Exploring the Needs and Preferences of Underrepresented Minority Students for an Intelligent Virtual Mentoring System. In: Stephanidis C., Antona M. (eds) HCI International 2019 – Late Breaking Posters. HCII 2019. Communications in Computer and Information Science, vol 1088. Springer, Cham

6. E. W. Huff and **K. Gosha**, "Awareness and Readiness for Graduate School of African American Male Computer Science Students," 2018 Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT), Baltimore, MD, 2018, pp. 1-6, doi: 10.1109/RESPECT.2018.8491719.

7. **Gosha, K.**, Hall, P., Lowens, B., Forney, M. (2016) Evaluating the Short Term Effectiveness of Using Culturally Based Animations in Teaching Geometry. Challenge Journal. Atlanta, Georgia. **UNDER REVIEW**

8. **Gosha, K.**, & Harris, N. (2017). Pairing High School Teachers with Historically Black College & University (HBCU) Computer Science Students to Teach Advanced Placement Computer Science Principles. IOSR Journal of Computer Engineering (IOSR-JCE), 19(3), 5–9. https://doi.org/10.9790/0661-1903060509

9. **Gosha, K.** (2017). Supplemental Instruction Animations to Teach Introductory College Mathematics for Student-Athletes. International Journal of Advanced Research in Computer and Communication Engineering, 6(6). https://doi.org/10.17148/IJARCCE.2017.6601

10. Payton, J., Barnes, T., Buch, K., Rorrer, A., Zuo, H., **Gosha, K.**, ... & Dennis, L. (2016). STARS Computing Corps: Enhancing Engagement of Underrepresented Students and Building Community in Computing. *Computing in Science & Engineering*, *18*(3), 44-57.

11. **Gosha, K.**, Gilbert, J., Middlebrook, K. (2016) A Qualitative Analysis of Using a Virtual Mentoring Program on Black Computer Science Students. International Journal of Education and Human Developments (ISSN: 2334-2978), 5(1).

12. Gosha, K., Gilbert, J.E., and Middlebrook, K. "Virtual Graduate School Mentoring Using Embodied Conversational Agents." *Journal of Computer Science* 3.2 (2015): 15-38.

13. **Gosha, K.**, Middlebrook, K. (2015) The Effectiveness of Embodied Conversational Agents in Providing Spiritual Guidance to College Students. International Journal of Emerging Trends in Electrical and Electronics (IJETEE–ISSN: 2320-9569), 11(5).

14. **Gosha, K.**, Porter, J., Cherry, D., Ordu, C. (2014) Spiritual Counseling for Male College Students Using Embodied Conversational Agents. Journal of Progressive Policy and Practice. Spring 2014, Volume 2. Issue 1.

* See Honors and Awards

15. Hunter, C., **Gosha, K.** (2013) It's in Black and White: Preservice Teachers' Perceived Abilities to Facilitate Literary Conversations about African-American Picture Books. The Annuals of the Next Generation.

16. **Gosha, K.,** Ekandem, J., (2012) Alabama in Motion: The Development of a Web-based Program Management Application for Alabama Residents to Fight Against Obesity, Annuals of the Next Generation

17. **Gosha, K.** (2005). Creation of a Mobile Database for the Soil Moisture Experiment 2003, The Source, p.115-127, ISSN 1549-8247.

Full Manuscripts Published in Conference Proceedings
(Morehouse College & Spelman College student coauthors in grey, not including abstract submissions)

18. **Gosha, K.** & Newell, M. (2022) "Exploration of Intelligent Virtual Mentoring for HBCU Computer Science Undergraduates". In the Proceedings of the Research in Equity and Sustained Participation in Engineering, Computing, and Technology 2022 Conference. Philadelphia, PA. *Accepted for Publication*

19. McCarthy, K. S., Crossley, S. A., Meyers, K., Boser, U., Allen, L. K., Chaudhri, V. K., Collins-Thompson, K., D'Mello, S., De Choudhury, M., Garg, K., Goel, A., **Gosha, K.,** Heffernan, N., Hooper, M. A., Hyman, E., Jarratt, D. C., Khalil, D., Kizilcec, R. F., Litman, D., Malatinszky, A., Marks, K., McNamara, D. S., Menko, R., Palermo, C., Porcaro, D., Roscoe, R., Shapiro, S., Khanh-Phoung, T., Trumbore, A. M., White, C., Wong, W., Yang, D., & Zampieri, M. (in press). Toward more effective and equitable learning: Identifying barriers and solutions for the future of online education. Technology, Mind, & Behavior. American Psychological Association. *DOI:10.1037/tmb0000063*

20. Mackroy, K., Nelson, W., **Gosha, K.** (2022) The Impact of Program Cost on Minority Participation. ACM Special Interest Group in Computer Science Education (SIGCSE) Technical Symposium 2022. Providence, RI, USA. https://dl.acm.org/doi/10.1145/3478432.3499128

21. Tuladhar, A., & Queener, C., & Mondisa, J., & **Gosha, K.** (2022, February), Broadening Participation through Information: A Synthesis of Resources for Research and Practice in Computing and Computer Science Paper presented at 2022 CoNECD (Collaborative Network for Engineering & Computing Diversity) , New Orleans, Louisiana. https://peer.asee.org/39105

22. Clarke, N., Mondisa, J.L., & **Gosha, K.** (2021). The Role of E-Mentoring in the African American Higher Education Experience (Work in Progress) in Proceedings of the Annual American Society of Engineering Education (ASEE) Conference, July 26-29, 2021, Virtual Due to COVID-19. https://peer.asee.org/37891

23. Mackroy, K., & **Gosha, K.** (2021) Virtual App Development for Adolescents. In Proceedings of the 2021 ACM Southeast Conference (ACM SE '21). Association for Computing Machinery, New York, NY, USA, 243–245. DOI:https://doi.org/10.1145/3409334.3452089

24. Cherry, D., Cummings, R. T., Moon, D., & **Gosha, K.** (2020). Exploring Computing Career Recruitment Strategies and Preferences for Black Computing Undergraduates at HBCUs. In Proceedings of the 2020 ACM Southeast Conference (ACM SE '20). Association for Computing Machinery, New York, NY, USA, 47–54. DOI:https://doi.org/10.1145/3374135.3385269

25. Simley, T., Mack, N., Pittman, T., Cook, C., Cummings, R., Moon, D. & **Gosha, K.** (2019) Assessing the Efficacy of Integrating Computer Science, Math, and Science in a Middle School Sphero Robotics Summer Program. In the Proceedings of the Research in Equity and Sustained Participation in Engineering, Computing, and Technology 2020 Conference. Minneapolis, MN.

26. Mack, N. A., Cummings, R., Huff, E. W., **Gosha, K.**, & Gilbert, J. E. (2019, July). Exploring the Needs and Preferences of Underrepresented Minority Students for an Intelligent Virtual Mentoring System. In International Conference on Human-Computer Interaction (pp. 213-221). Springer, Cham.

27. Huff, E. W., Nias, J., Cummings, R., Mack, N. A., & **Gosha, K.** (2019, July). Atlanta Code Warriors: A CS Engagement Pilot Initiative. In International Conference on Human-Computer Interaction (pp. 184-191). Springer, Cham.

* See Honors and Awards

28. Huff, E. W., Mack, N. A., Cummings, R., Womack, K., **Gosha, K.**, & Gilbert, J. E. (2019, July). Evaluating the Usability of Pervasive Conversational User Interfaces for Virtual Mentoring. In International Conference on Human-Computer Interaction (pp. 80-98). Springer, Cham.

29. **Hampton, L**., Cummings, R. and **Gosha, K.** (2019). Improving Computer Science Instruction and Computer Use for African American Secondary School Students: A Focus Group Exploration of Computer Science Identity of African American Teachers. In Proceedings of the 2019 on Computers and People Research Conference (SIGMIS-CPR '19). Association for Computing Machinery, New York, NY, USA, 78–84. DOI:https://doi.org/10.1145/3322385.3322399

30. Lowens, B., Cummings, R., Nelson, W., **Gosha, K.** (2019) Computing Resilient Identity Development and Maintenance of African Americans Who Earned A Ph.D. in Computing.2019 IEEE Frontiers in Education Conference (FIE), 2019, pp. 1-8, doi: 10.1109/FIE43999.2019.9028648.

31. Nelson, W., Cummings, R., **Gosha, K.** (2019) A Qualitative Investigation on the Effectiveness of a Computing Identity Development Emailing List for African American Computer Scientists. 2019 IEEE Frontiers in Education Conference (FIE), 2019, pp. 1-7, doi: 10.1109/FIE43999.2019.9028570.

32. Cummings R., Chambers, B., Reid, A., and **Gosha, K.** (2019) STEM Hip-hop Pedagogy: A Meta-synthesis on Hip-hop Pedagogy STEM Interventions Tools for Underrepresented Minorities in K-12 Education. In Proceedings of the 2019 ACM Southeast Conference (ACM SE '19). Association for Computing Machinery, New York, NY, USA, 46–52. DOI:https://doi.org/10.1145/3299815.3314431

33. **Gosha, K.,** Kannan, V., Morgan, L., and Huff, E.W. (2019). Strategic Partnerships to Enhance Data Structures and Algorithms Instruction at HBCUs. In Proceedings of the 2019 ACM Southeast Conference (ACM SE '19). Association for Computing Machinery, New York, NY, USA, 194–197. DOI:https://doi.org/10.1145/3299815.3314457

34. <mark>Distinguished Paper Award</mark> | Cummings, R., Huff, E., Mack, N., **Womack, K.**, Reid, A., **Ghoram, B.**, Gilbert, J., & **Gosha, K.**, (2019), Vlog Commentary YouTube Influencers as Effective Advisors in College and Career Readiness for Minorities in Computing: An Exploratory Study. In Proceedings of the IEEE 2019 Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT), Minneapolis, MN, pp. 43-50.

35. Cummings, R., Mack, N., **Gosha, K**., Dennis, S., Nias, J. (2018) Developing a Question Corpus for a Conversational Agent Designed to Prepare Interested Black Undergraduates for the Professoriate in STEM. 2019 Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT), 2019, pp. 1-5, doi: 10.1109/RESPECT46404.2019.8985729.

36. Huff Jr, E.W., Mack, N. A., Cummings, R., **Womack, K**., **Gosha, K.**, & Gilbert, J. E. (2019). Evaluating the Usability of Pervasive Conversational User Interfaces for Virtual Mentoring. In International Conference on Human-Computer Interaction (pp. 80-98). Springer, Cham.

37. Mack, N., **Womack, K.,** Huff, E., Cummings, R., **Dowling, N.,** and **Gosha, K.** (2018) From Midshipmen to Cyber Pros: Training Minority Naval Reserve Officer Training Corp Students for Cybersecurity. In Proceedings of the 50th ACM Technical Symposium on Computer Science Education (SIGCSE '19). Association for Computing Machinery, New York, NY, USA, 726–730. DOI:https://doi.org/10.1145/3287324.3287500

38. Hall, PJ & **Gosha, K.** (2018) The Effects of Anxiety and Preparation on Performance in Technical Interviews for HBCU Computer Science Majors. In Proceedings of the ACM SIGMIS Computers and People Research. In *Proceedings of the 2018 ACM SIGMIS Conference on Computers and People Research* (pp. 60-63). ACM.

39. **Langham, J.** & **Gosha, K.** (2018) The Classification of Aggressive Dialogue in Social Media Platforms. In Proceedings of the ACM SIGMIS Computers and People Research. In *Proceedings of the 2018 ACM SIGMIS Conference on Computers and People Research* (pp. 60-63). ACM.

40. **Gosha, K.,** Huff, E. & **Scott, J.** (2018) Computing Careers Exploration For Urban African American Students using Embodied Conversational Agents. In Proceedings of the ACM SIGMIS Computers and People Research. In *Proceedings of the 2018 ACM SIGMIS Conference on Computers and People Research* (pp. 60-63). ACM.

* See Honors and Awards

41. **Julian, L.** & **Gosha, K.** (2018) Using SMS as an Interface for a Virtual Mentoring System *(Accepted as Extended Abstract)*. In *Proceedings of the ACM SouthEast Conference* (ACM SE '17). ISBN: 978-1-4503-5696-1

42. **Hampton, L.** & **Gosha, K.** (2018) Development of a Twitter Graduate School Virtual Mentor for HBCU Computer Science Students *(Accepted as Extended Abstract)*. In *Proceedings of the ACM SouthEast Conference* (ACM SE '17). ISBN: 978-1-4503-5696-1

43. **Gosha, K., Holmes, E., Ridley, T., Scott, J., Womack, K.** (2017) Introduction to Computer Science for Urban African American Students Using Sphero Robotics Workshop. In *Proceedings of the ACM SouthEast Conference* (ACM SE '17). ACM, New York, NY, USA, 252-254. DOI: https://doi.org/10.1145/3077286.3077323

44. **Gosha, K., Abudu, P., Forney, M.** (2017) Evaluation of the Expert Advisement in a Virtual Graduate School Panel for Computer Science Students. In *Proceedings of the SouthEast Conference* (ACM SE '17). ACM, New York, NY, USA, 69-74. DOI: https://doi.org/10.1145/3077286.3077311

45. **Gosha, K., Middlebrook, K.** (2016) Exploring Computing Careers through a Virtual Career Exploration Fair using Embodied Conversational Agents. In Proceedings of ACM Conference for Special Interest Group of Computer Science Education, Page 708, ISBN: 978-1-4503-4698-6.

46. Mejias, M., Burge, L., Galloway, K., **Gosha, K.,** Muhammad, J. (2016) Holistic Development of Underrepresented Students through Academic – Industry Partnerships. In Proceedings of ACM Conference for Special Interest Group of Computer Science Education, Seattle, WA, Pages 681-682, ISBN: 978-1-4503-4698-6

47. **Gosha, K., Brownlow, B., Gentry, K., Oladele, A.** (2015) The Creation of BullyShutdown.com as a Tool for Bullying Prevention. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. Kona, Hawaii, October 19-22, 2015.

48. **Gosha, K.,** White, B., Livingston, S., Jensen, K., Claiborne, C. (2015) Development of the Microsoft Surface Hub for Teaching Socio-Ethical Leadership. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. Kona, Hawaii, October 19-22, 2015.

49. **Gosha, K., Okpokowuruk, I.** (2015) Using Embodied Conversational Agents to Teach Bullying Intervention in Schools. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. Las Vegas, Nevada, March 2-6, 2015.

50. **Gosha, K., Bassy, R., McCauley, L.,** Bascelli, D., **Porter III, J.** (2014) Measuring the Effectiveness of Embodied Conversational Agents for College Writing Labs. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. New Orleans, Louisiana, October 27-30, 2014.

51. **Gosha, K., Jairam, A.** (2014) Using a Brain Computer Interface Activity to Determine How Music Affects the Brain. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. New Orleans, Louisiana, October 27-30, 2014.

52. **Gosha, K., Oladele, A., Bassy, R., Porter III, J.** (2014) Using Interactive Storytellers to Broaden Participation in Graduate Computing. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. New Orleans, Louisiana, October 27-30, 2014.

53. **Gosha, K., Bassy, R., Falcone, C.,** Bascelli, D., **Porter III, J.** (2013) Utilizing Embodied Conversational Agents for College Writing Labs. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. Las Vegas, Nevada, October 21-24, 2013.

54. **Gosha, K.,** Ordu, C., Horace, J., **Turner, M., Cherry, D., Johnson, J., Brickler, D.** (2013) Using Interactive Storytelling Agents to Broaden Participation in Computing. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. Las Vegas, Nevada, October 21-24, 2013.

* See Honors and Awards

55. **Gosha, K.,** Ordu, C., Horace, J., Posey, J., Angel, J. (2013) Measuring the Effectiveness of Additional Functionalities to the Virtual Mentorship System. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. Las Vegas, Nevada, October 21-24, 2013.

56. **Gosha, K.,** Benjamin, T., Horace, J., Ordu, C. (2013). Recruiting Students of Color Through Developing Online Graduate Student Panels. Proceedings of Society for Information Technology & Teacher Education International Conference 2013. New Orleans, LA: AACE.

57. **Gosha, K.,** James, M., Janifer, A. (2011) The Development of the Online Graduate Student Panel Experience for African American STEM Graduate Students. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education. Honolulu, Hawaii, October 18-21, 2011.

58. Smotherman, J. M., **Gosha, K.,** Gilbert, J.E. (2010) The Construction of a Multitouch Table Application for Peer Assisted Learning in Early Childhood Classrooms. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2010 (pp. 2719-2724). Chesapeake, VA: AACE.

59. **Gosha, K.,** Moses, W., & Gilbert, J.E. (2010) The Creation of a Service Queue Management System on Barbershop Administration. ACM Southeast Conference, Oxford, MS, April 15-17, 2010, CD-ROM.

60. **Gosha, K.,** Moses, W., Wachs, A. & Gilbert, J.E. (2010) Creation of a Voice User Interface Survey for Dynamic Service Feedback. ACM Southeast Conference, Oxford, MS, April 15-17, 2010, CD-ROM.

61. **Gosha, K.,** Billionniere, E., & Gilbert, J.E. (2010) Developing a Framework for Teacher Professional Development Using Online Social Networks. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2010 (pp. 2977-2979). Chesapeake, VA: AACE.

62. **Gosha, K.,** Billionniere, E., Ramsey, M., & Gilbert, J.E. (2010) Towards the Creation of an Open Source Teacher Professional Development Distribution Community. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2010 (pp. 1449-1454). Chesapeake, VA: AACE

63. Jackson, J. F. L., Gilbert, J. E., Charleston, L. J., George, P. L., Grenell, K. D., & **Gosha, K.** Differential gender effects of a STEM-based intervention: An examination of the African American Researchers in Computing Science program. American Education Research Association (AERA), Denver, CO, April 30 – May 4 (66.040-9).

64. Jackson, J. F. L., Gilbert, J. E., Charleston, L. J., George, P. L., Grenell, K. D., & **Gosha, K.** Multiple Identities for Blacks in Math, Science and Technology. American Education Research Association (AERA), Denver, CO, April 30 – May 4 (66.040-9).

65. Billionniere, E., Greiman, D., & **Gosha, K.** (2009) A Comparison of Social Service Selection Techniques. IEEE International Conference on Dependable, Autonomic and Secure Computing (DASC-09), Chengdu, China, December 12-14, 2009, pp. 260 – 265.

66. **Gosha, K.,** Gilbert, J., & Seals, C. (2009) Towards the Construction of a Peer-Assisted Learning Tool using a Social Media Network, In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2009, pp. 3500-3503. Vancouver, Canada, October 26-30, 2009.

67. **Gosha, K.,** Thomas, J. & Gilbert, J.E. (2008) Exploring the Impact of Queue Management on Quality of Service for SMBs, IEEE International Conference on Services Computing, Honolulu, Hawaii, July 8-11, 2008, Volume 2: p. 551 – 553.

68. **Gosha, K.** & Thomas, J. (2008) Evaluating Service-Based Software Applications, ACM Southeast Conference, Auburn, AL, March 28-29, 2008, CD-ROM.

69. Cross II, E.V., Eugene, W., Hamilton, C. & **Gosha, K.** (2008). Street Legal Customs: A Tool for Teaching Financial Responsibility. In K. McFerrin et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education

* See Honors and Awards

Kinnis Gosha, PhD

International Conference 2008 (pp. 4631-4636). Chesapeake, VA: AACE.

70. Cross II, E.V., **Gosha, K.,** Eugene, W., Arcediano, F., Hamilton, C., Hundley, J. (2008) Game Design from the Lens of a Student, ACM Southeast Conference, Auburn, AL, March 28-29, 2008, CD-ROM.

Non Peer-Reviewed Publications

71. Franklin-Davis, D., **Gosha, K.** (2021) Improving Diversity in Tech With Smarter Investments in Higher Education. Stanford Social Innovation Review. Jul. 28, 2021.
https://ssir.org/articles/entry/improving_diversity_in_tech_with_smarter_investments_in_higher_education#

72. Howard, A., Borenstein, J., & **Gosha, K**. (2019). NSF-funded Fairness, Ethics, Accountability, and Transparency (FEAT) Workshop Report. NSF Workshop Reports. Retrieved from http://par.nsf.gov/biblio/10139705

73. Gosha, Kinnis, "THE APPLICATION OF EMBODIED CONVERSATIONAL AGENTS FOR MENTORING AFRICAN AMERICAN STEM DOCTORAL STUDENTS" (2013). All Dissertations. 1099.
https://tigerprints.clemson.edu/all_dissertations/1099

Research Presentations (Non-Conference Paper/Abstract Only)

1. Sylvia, M., **Gosha, K.**, Johanson, K., Haynes, C., Gerhardt, R. (2019) "Virtual Faculty Mentoring: Can it be Accomplished through Embodied Conversational Agents?". AAC&U's 2019 Annual Meeting, January 26, 2019. Atlanta, Georgia.

2. Cummings, R., Huff, E., Mack, N., Reid, A, Ghoram, B., Womack, K. and **Gosha, K.** (2018) Vlog Commentary Videos as Valid Advisors for Minority Computing College and Career Readiness: An Exploratory Study. The ACM Special Interest Group in Computer Science Education. The Best of RESPECT 2019. Minneapolis, MN. February 28, 2019.

3. **Gosha, K.** (2016) "The Creation of Bully Shutdown.com as a Tool for Bullying Prevention" 6th Annual Anti-Bullying Summit, June 23-24, 2016, Peachtree City, GA.

4. **Gosha, K.** (2013) National Laboratories Professional Development Workshop for Underrepresented Participants at the Oak Ridge National Laboratory, June 13-14, 2013, Oak Ridge, TN.

5. **Gosha, K.** (2013) Measuring the Effectiveness of Virtual Graduate School Mentoring for African American Computer Science Majors, The 25th Annual National Black Graduate Student Conference (NBGSC), March 7-10th, 2013, Deerfield, MI.

6. **Gosha, K.,** Gilbert, J.E. (2010) Increased Procurement Quality and Requirement Analysis for Usable Website Design, The 22nd Annual National Black Graduate Student Conference (NBGSC), March 10-14th, 2010, p. 33.

7. **Gosha, K.** (2010) Online Social Networks in Education. Computer Human Interaction Mentoring (CHIMe) Workshop, April 9 – 10th, 2010. (Poster, *Co-located with CHI 2010*)

Culturally Relevant Computing Lab Graduates Who Went on to Doctoral Computing Programs

1. **Leron Julian,** (Class of 2019) Computer Science Doctoral Program at the University of Central Florida

2. **Tekieria Blunt***, (Class of 2018) Digital Media Program at Georgia Tech

3. **Darian Nwankwo**, (Class of 2018) Computer Science Doctoral Program at Cornell University

4. **Anthony Roebuck,** (Class of 2018) Computer Science Doctoral Program at the Colorado School of Mines

* See Honors and Awards

5. **Daniel Johnson, III** (Class of 2016) Computer Science Doctoral Program at the University of California in Los Angeles

6. **Simone Smarr*** (Class of 2016) Computer Science Doctoral Program at the University of Florida

7. **Joshua Posey** (Class of 2016) Computer Science Doctoral Program at Auburn University

8. **Robertson Bassy** (Class of 2015) Computer Science Doctoral Program at Auburn University

9. **Zaire Ali** (Class of 2015) Computer Science Doctoral Program at University of North Carolina-Charlotte

10. **Jassiem Ifill** (Class of 2015) Computer Science Doctoral Program at Rensselaer Polytechnic Institute

11. **John Angel** (Class of 2015) Computer Science Doctoral Program at Rensselaer Polytechnic Institute

12. **John Porter, III** (Class of 2014) Human Centered Computing Doctoral Program at Clemson University

13. **Cazembe Kennedy** (Class of 2014) Human Centered Computing Doctoral Program at Clemson University

14. **David Cherry** (Class of 2014) Human Centered Computing Doctoral Program at Clemson University

15. **Hakeem Jones** (Class of 2014) Human Centered Computing Doctoral Program at Clemson University

16. **Bernard Dickens, III** (Class of 2014) Computer Science Doctoral Program at University of Chicago

17. **David Brickler** (Class of 2013) Human Centered Computing Doctoral Program at Clemson University

18. **Myles Nicholson** (Class of 2013) Computer Science Doctoral Program at Ohio State University

19. **Joseph Crawford** (Class of 2013) Computer Science Doctoral Program at University of Notre Dame

* Students are graduates of Spelman College

Culturally Relevant Computing Lab Students in National Summer Research Programs

1. Lelia Hampton - 2019 - Massachusetts Institute of Technology

2. Jordan Scott – 2018 – Temple University

3. Jordan Scott – 2017 – University of Tennessee

4. Kamal Middlebrook – 2016 – San Jose State University

5. Rashad Savage – 2016 – University of North Carolina Charlotte

6. Jovon Corbitt – 2016 – Clemson University

7. Igwe Onumah – 2015 – University of Michigan

8. Akin Oladele – 2013 – University of Michigan

9. Robertson Bassy – 2015 – Auburn University

10. Andrew Garrett – 2015 – University of Florida

* See Honors and Awards

11. Daniel Johnson – 2015 - Harvard University

12. Ifreke Okpokowuruk – 2015 – University of California, Berkeley

13. Joshua Posey – 2014 – Oregon State University

14. Darnell Coleman – 2013 – Clemson University

15. Keythe Gentry – 2014 - Rensselaer Polytechnic Institute (RPI)

16. Channing Vanderbilt – 2013 - Rensselaer Polytechnic Institute (RPI)

17. Jassiem Ifill – 2013 – University of Minnesota

18. David Cherry – 2013 – University of Minnesota

19. Jonathan Johnson – 2013 – Auburn University

20. Akin Oladele – 2013 – Stanford University

21. Marvin Turner – 2013 – Georgia Tech

22. Austin Tucker – 2013 – Georgia Tech

23. Justin Grier – 2012 – Clemson University

24. Kenneth McKanders – 2012 – Clemson University

25. Jamal Thorne – 2012 – Clemson University

26. Austin Tucker – 2012 – Clemson University

Invited Talks and Presentations

1. Puckett, C., Jones, T., & **Gosha, K.** "Redefining Geek & Equity in STEM Education". Emory Sociology Department. Emory Barnes and Nobles. April 21, 2022.

2. **Gosha, K.** Panelist for the White House National AI Research Resource (NAIRR) Task Force Quartly Public Meeting on February 16, 2022. Virtual.

3. **Gosha, K.**, Posey, D. & Rickard, J. "How to Design Tech to Promote Equitable Student Experiences" Virtual Panel. Salesforce.org. September 14, 2021

4. **Gosha, K.** "HBCU Hall of Excellence Panel". Black Data Processing Associates National Conference. August 12, 2021. Virtual.

5. **Gosha, K.** "What I Wish I Knew as an Early Career Faculty/Researcher" Panel. ACM CHIMe 2021 symposium. May 7, 2021. Virtual.

6. **Gosha, K.** "Introduction to Computing Careers". Atlanta Youth and Law Summit. April 24, 2021. Virtual.

7. **Gosha, K.**, Holmes, E., Holmes, J., Pearson, T. (2021) "HBCU Responsibility in Developing African-American CS Identity (Panel)". CS4GA Summit: Beyond Access. March 25, 2021. Virtual.

* See Honors and Awards

8. **Gosha, K.,** "Introduction to Computing Careers". 2021 RISE Up Male Mentorship Program. March 15, 2021. Virtual.

9. **Gosha, K.** "Innovation in HBCU CS Departments". Black Data Processing Associates National Conference. August 20, 2020. Virtual.

10. **Gosha, K.** Quality Education for Minorities (QEM) Network HBCU Mixtape Series. NSF Funded. Virtual. August 5, 2020

11. **Gosha, K.** "Momentum@Morehouse". Georgia Chamber Foundation, Monthly Talent and Leadership Policy Committee Meeting. Virtual. July 23, 2020.

12. **Gosha, K.** "July Expert Panel: HBCUs as a Strategic Resource to Advance Diversity in STEM". STEM for All Multiplex. Virtual. July 2020.

13. **Gosha, K.** "STEM College Career Conversation", Steppingstone Scholars Blended Learning Initiative. Philadelphia, PA (virtual). July 2020

14. **Gosha, K.**, Tapia, L. & Washington, G. "Panel Discussion: What do MSI CISE PIs Wish They'd Known Before Starting Their CISE Core Award". 2020 Increasing Participation of Minority Serving Institutions in the National Science Foundation's Computer and Information Science and Engineering Programs Conference. Arlington, VA. February 2020.

15. S. Mendez, **Gosha, K.**, Hayes, C., Gerhardt, S., Conley, V., The Use of Chatbots in Future Faculty Mentoring: A Case of the Engineering Professoriate. American Society of Engineering Education Annual Conference & Exposition 2019. June 2019.

16. S. Mendez, **Gosha, K.**, Hayes, C., Gerhardt, S., Conley, V. Can Chatbots be Used for Faculty Mentoring? American Society for Engineering Education National Conference. June 16-19, 2019

17. **Gosha, K.** Increasing Minority Presence within Academia through Continuous Training (IMPACT). QEM HBCU/TCUP INCLUDES Workshop. March 8, 2019. Baltimore, Maryland.

18. Mendez, S. L., **Gosha, K.**, Johanson, K., Haynes, C., Gerhardt, R. A., & Conley, V. M. (Proposal Submitted). Virtual faculty mentoring: Can it be accomplished through embodied conversational agents? Paper proposed for the 2019 Annual Meeting of the Association of American Colleges and Universities, Atlanta, GA.

19. Gosha, K. "EngageCS". Georgia Institute of Technology. College of Interactive Computing. January 24, 2019.

20. Gosha, K. "EngageCS". University of Massachusetts Amherst. College of Information and Computer Sciences. November 28, 2018.

21. Gosha, K. "Making a Difference with Tiny Grants" Panelist. Georgia Governor's Office of Student Achievement (GOSA) Innovation Summit. Atlanta, Georgia June 2018.

22. Gosha, K., *Data Visualization with Juvenile Youth Detention Alternatives Data*. Atlanta BDPA Meeting. April 18th, 2018.

23. Black, J, **Gosha, K.**, Humphries, T., Muhammad, J. *Invited Included Session: A Dream Realized or a Dream Deferred? The Impact and Future of HBCU CS Undergraduate Education*. February 23, 2018.

24. Gosha, K. *Virtual Mentoring Using Embodied Conversational Agents*, STARS Celebration. Atlanta, Georgia. September 23, 2017

25. Gosha, K. "Exploring Computing Careers through a Virtual Career Exploration Fair Using Embodied Conversational Agents". Invited Talk. Clemson University School of Computing. April 14, 2017.

* See Honors and Awards

Kinnis Gosha, PhD

26. Gosha, K. *Center for Undergraduate Research Annual Colloquium*, Albany State University, April 22, 2016

27. Gosha, K. *Virtual Mentoring Using Embodied Conversational Agents*. Invited Talk. Claflin University. May 11, 2016

28. Gosha, K. Planning a Center in Socially Relevant Computing, AAAS NSF HBCU-UP CREST PI Meeting, Arlington, VA, February 2016.

29. Gosha, K. "*Virtual Mentoring Using Embodied Conversational Agents*", Franklin Visiting Scholar Seminar, University of Georgia, Athens, Georgia, February 12, 2016.

30. Gosha, K. Reducing Bullying Apathy Using Embodied Conversational Agents. Auburn University Anti-Bullying Summit Evaluation, June 23, 2016

31. Gosha, K. Virtual Mentoring: The Creation of Online Mentoring Constellations and their Effect on the Professoriate. Lunch Keynote Address. 3rd Annual International Colloquium on Black Males in Education. Morehouse College. Atlanta, Georgia. October 24, 2014.

32. Gosha, K. *What is Human-Centered Computing?* Hampton University, Hampton, Virginia, March 16, 2013.

33. Gosha, K., *How to Run the Yard as a Graduate Student*, Morehouse College (Hopps Scholars Program Weekly Meeting), Atlanta, Georgia, September 24, 2011.

34. Gosha, K., *Virtual Mentoring Using Embodied Conversational Agents*, Morehouse College (Department of Computer Science), Atlanta, Georgia, May 18, 2011.

Postdoctoral Researchers Trained

1. Naja Mack - University of Florida PhD (2021) - After completing her training, Dr. Mack was hired as an Assistant Professor of Computer Science at Morgan State University

2. Aris Hall - Clemson University PhD (2019) - After completing her training, Dr. Hall became the inaugural Coordinator for the Black Cultural Center at the University of Oregon

Graduate Students Supervised

1. Whitney Nelson - MS in Human-Centered Computing - Georgia Tech (Spring 2020)

Kinnis Gosha / Culturally Relevant Computing Lab in the News

Advanced Software Engineering Course - Morehouse College
https://about.gitlab.com/company/culture/inclusion/erg-minorities-in-tech/advanced-software-engineering-course/

Morehouse College, Google Use Virtual Reality To Conduct Anti-Bias Training For Police
https://www.blackenterprise.com/morehouse-college-partners-with-google-to-conduct-anti-bias-training-for-police-using-virtual-reality/

Morehouse College, Google addresses implicit bias with new technology
https://www.11alive.com/video/news/local/morehouse-college-google-addresses-implicit-bias-with-new-technology/85-7cbcbb81-b648-44d9-8ab0-6c7a36f89f4f

Morehouse and Google Create New Virtual Reality Program to Train Police
https://www.diverseeducation.com/latest-news/article/15280579/morehouse-and-google-create-new-virtual-reality-program-to-train-police

* See Honors and Awards

Kinnis Gosha, PhD

Morehouse College and Google partner on virtual reality training for police
https://thegrio.com/2021/11/05/morehouse-google-virtual-reality-training-police/

AJC On Campus: Post-tenure review battle continues; Morehouse helps with police training tool
https://www.ajc.com/education/ajc-on-campus-post-tenure-review-battle-continues-morehouse-helps-with-police-training-tool/GYHF4NED6ZHKRH6OZ6AX6WRUYY/

Trainer | A Research Project by Jigsaw
https://jigsaw.google.com/trainer/

Immersive Technology to Help Advance Public Safety
https://medium.com/jigsaw/adaptive-technology-to-help-advance-public-safety-b4256388dd3

Morehouse College Partners with Google's Jigsaw to Create Anti-Bias and De-Escalation Virtual Reality Trainer for Police and Law Enforcement Agencies
https://inside.morehouse.edu/news/news-inside/morehouse-college-partners-with-googles-jigsaw-to-create-anti-bias-and-de-escalation-virtual-reality-trainer-for-police-and-law-enforcement-agencies.html

How Dell & Microsoft are investing in higher education -
https://medium.com/reboot-representation/how-dell-microsoft-are-investing-in-higher-education-15e3dec79607

Morehouse College creates Android programming course and provides exposure to coding culture -
https://appliedcsskills.withgoogle.com/case-studies/AppliedCS_Morehouse.pdf

Morehouse College Emerges As Leader In Software Engineering -
https://www.newsbreak.com/news/1488828852550/morehouse-college-emerges-as-leader-in-software-engineering

Tech Bootcamp at Morehouse offers new credentials with Momentum -
https://www.blackengineer.com/news/tech-bootcamp-at-morehouse-offers-new-credentials-with-momentum/

Let's Talk DeKalb - https://www.youtube.com/watch?v=ZkLP_WW59e8&feature=youtu.be

San Fransisco Business Journal -
https://www.bizjournals.com/sanfrancisco/news/2020/07/03/tech-diversity-efforts-fall-short.html?iana=hpmvp_sfbt_news_headline

AJC -
https://www.ajc.com/news/local-education/amid-rising-interest-from-students-hbcus-must-face-pandemic-toll/8w8SMuheazPzpPz0nfj1rN/

Morehouse News Center -
https://morehouse.edu/newscenter/morehouse-to-partner-with-top-tech-talent-firms-in-coding-bootcamp.html

Morehouse News Center -
https://morehouse.edu/newscenter/philanthropists-ken-and-kathryn-chenault-donate-1-million-to-morehouse-college.html

HBCU Digest -
https://hbcudigest.com/morehouse-receives-1-5-million-nsf-grant-to-lead-national-hbcu-stem-career-development-initiative/

Morehouse News Center -
http://www.morehouse.edu/newscenter/nationalsciencefoundationawards15milliongranttomorehousecollege.html

WTVM9 - http://www.wtvm.com/story/35535818/morehouse-college-aps-partner-for-summer-computing-camp

Hawaii News Now -
http://www.hawaiinewsnow.com/story/35535818/morehouse-college-aps-partner-for-summer-computing-camp#.WTbAWX0i

* See Honors and Awards

Kinnis Gosha, PhD

guc.email

AZFamily - http://www.azfamily.com/story/35535818/morehouse-college-aps-partner-for-summer-computing-camp

CBS46 - http://www.cbs46.com/story/35535818/morehouse-college-aps-partner-for-summer-computing-camp

Georgia Public Radio - http://gpbnews.org/post/morehouse-lab-uses-data-promote-prison-alternatives

CBS46 – http://www.cbs46.com/story/34265106/newell-brands-donates-1m-to-morehouse-college

Communications of the ACM - http://cacm.acm.org/magazines/2017/1/211099-bias-in-technology/fulltext

WTVM9 - http://www.wtvm.com/story/34167049/grant-helps-morehouse-students-save-minority-men-from-incarceration

CBS46 – http://www.cbs46.com/story/34167049/grant-helps-morehouse-students-save-minority-men-from-incarceration

WBRC6 - http://www.wbrc.com/story/34167049/grant-helps-morehouse-students-save-minority-men-from-incarceration

WTVM9 - http://m.wtvm.com/wtvm/pm_/contentdetail.htm?contentguid=od:5hHiwzp5

CBS46 - http://www.cbs46.com/story/34101275/morehouse-college-exposes-atlanta-students-to-computing-careers

Diverse Issues in Higher Education - http://diverseeducation.com/article/84807/

Communications of the ACM - http://cacm.acm.org/careers/192641-morehouse-produced-13-percent-of-african-american-phd-male-computer-science-students/fulltext

Morehouse News Center - http://www.morehouse.edu/newscenter/morehouse-produces-13-percent-of-african-american-ph-d-students-in-computer-science/

Computing Research Association - http://cra.org/crn/2015/11/cra-wcdc-reu-programs-encourage-minorities-to-pursue-ph-d-s-in-computing/

WSBTV (Atlanta) - http://www.wsbtv.com/ap/ap/georgia/morehouse-receiving-federal-grant-for-stem-educati/nn9fQ/

WRDW-TV (Augusta) - http://www.wrdw.com/news/headlines/Morehouse-receiving-federal-grant-for-STEM-education-337401851.html

HBCU Buzz - http://hbcubuzz.com/morehouse-college-computer-science-pipeline-continues-to-grow/

HBCU Digest - http://hbcudigest.com/post/126757893466/hbcu-digest-podcast-series-morehouse-professor

The Atlantic - http://www.theatlantic.com/business/archive/2015/01/why-are-so-few-black-people-using-bitcoin/384268/

HBCU Digest - http://hbcudigest.com/morehouse-college-reduce-black-incarceration/

Atlanta Magazine - http://www.atlantamagazine.com/2014/culturally-relevant-computing-lab/

Rockdale Citizen - http://www.rockdalecitizen.com/news/2014/feb/15/west-newton-students-took-a-field-trip-to/

Live Science - http://www.livescience.com/38274-kinnis-gosha-be-confident-about-what-you-know-video.html

Clemson Newsroom - http://www.clemson.edu/ces/computing/news-stories/2013awards.html

* See Honors and Awards

Kinnis Gosha, PhD

Morehouse News Center -
http://www.morehouse.edu/newscenter/morehouse-computing-research-center-lab-uses-latest-technology-to-save-youth-of-color-from-incarceration/

Associated Colleges of the South -
http://colleges.org/morehouse-produces-13-percent-of-african-american-ph-d-students-in-computer-science/

Professional Experience

Summer 2021   **Faculty-in-Residence at Microsoft (Data Science)**
       - Collaborated with engineers to gain insights on a new major in Data Science
       - Engaged hiring professionals on strategy for building talent acquisition infrastructure

2019 - present   **Division Chair - Division of Experiential Learning and Interdisciplinary Studies - Morehouse College (Atlanta, Georgia)**
       - Setup the first fee-based virtual summer program at the college (2020)
       - Piloted a cohort of faculty to teach online courses (before COVID-19)
       - Arranged for the first coding bootcamp at an HBCU "Momentum@Morehouse (2020)
       - Created and currently manages of the Coursera relationship with Morehouse College

2019 - present   **Hortenius I. Chenault Endowed Associate Professor – Morehouse College (Atlanta, Georgia)**
       - Developed the first undergraduate Software Engineering Degree at an HBCU

Summer 2019   **Faculty-in-Residence at Dell Technologies**
       - Intern for Senior Vice President and Chief Diversity and Inclusion Officer, Brian Reaves

2018 - present   **Adjunct Assistant Professor - Georgia Institute of Technology School of Interactive Computing**
       - Research Advisor for students enrolled in the Masters of Science Program
       - Major Thesis Advisor for Masters in HCI Graduate Whitney Nelson (Spring 2020)

2018 - 2019   **Director of Non-Traditional Academic Initiatives, Morehouse College**
       - Develop protocol for implementing online courses and degree at the college

2018 - 2019   **Hortenius I. Chenault Endowed Assistant Professor – Morehouse College**
       - Awarded with tenure

2013 - 2018   **Assistant Professor – Morehouse College**
       - Director of the Culturally Relevant Computing Lab
       - Courses Taught: Web Development, Programming II, Database Systems, Operating Systems, Programming Languages and Data Structures and Algorithm Analysis

2017   **Google Faculty in Residence Program (Mountain View, CA)**
       - Learned about Google Outreach Programs, Products and Services
       - Created Curriculum for Google's use, targeted for HBCU students

2011 - 2013   **Instructor – Morehouse College (Atlanta, Georgia)**
       - Implemented a new course teaching website application development
       - Created the Culturally Relevant Computing Lab: www.crclab.org
       - Over $100,000 in funding in 14 month period

2008   **Summer Intern for the Business Informatics Group – IBM Research (Yorktown, NY)**
       - Conducted a preliminary investigation on a visualization protocol for artifact-centric business process modeling

* See Honors and Awards

Kinnis Gosha, PhD

- Created the outline for a mobile interface for a radically simple artifact-centric business process modeling development tool

2008	**Adjunct Professor - Columbus State University (Columbus, Georgia)** - Instructor for 2 sections of the newly implemented "Introduction to Information Technologies"

2008 | **Adjunct Professor - Columbus State University**
(Columbus, Georgia)
- Instructor for 2 sections of the newly implemented "Introduction to Information Technologies"

2007 | **Web Application Developer for Auburn University Office of Technology**
- Develop web applications for different departments throughout the university using Visual Studio 2005 (C#) and SQL Server
- Developed the division's software engineering process (CMM - Level 2)

2005 – 2006 | **Graduate Teaching Assistant for Personal Computer Applications (COMP1000) – Auburn University (Auburn, Alabama)**
- Instructed courses on non-CS majors on Microsoft Office 2003 versions of Word, Excel, Access, PowerPoint and FrontPage

2005 | **Systems Engineering Intern, Network Operations Management Group - Synovus Financial Corporation (Columbus, Georgia)**
- Responsible for the patch management for over 1000 desktops
- Created guidelines, standards and protocols for patch & update deployment
- Researched and ranked critical updates for the company
- Constructed testing strategies for company critical applications

2004 | **IT Executive Intern, Business IT Partnering/ Consulting Group - Synovus Financial Corporation, Columbus, Georgia**
- Created vendor selection scorecard for all procurement projects over $100K
- Conducted extensive research in the Balanced Scorcarding method of evaluating performance and developed a proposal for a company-wide solution
- Educated key decision makers on fair, unbiased vendor selection with recommendations to the vendor selection process
- Facilitated requirement gathering exercises for the creation of an internal web portal

Graduate Research Assistant Positions

2009 - 2013 | **Human-Centered Computing Lab - Clemson University**
- Team Leader for NSF BPC-DP: Incorporating Cultural Tools for Math and Computing Concepts into the Boys and Girls Clubs of America Project
- Designed and constructed database driven, web-based student assessment tool for culturally based multimedia instruction software
- Lead a multi-university team (one graduate and five undergraduate researchers) in the creation, testing and verification of culturally based multimedia instruction modules

Undergraduate Research Experience

2003 | **Researcher, Center for Hydrology, Soil Climatology and Remote Sensing, Summer Research Program - Alabama Agricultural & Mechanical University**
- Worked on NASA sponsored projects using knowledge of Artificial Neural Networks in order to predict soil moisture

Fellowships, Honors and Awards

2019 | Distinguished Paper Award: RESPECT Conference 2019

See Honors and Awards

Kinnis Gosha, PhD

2014	Atlanta Magazine 2014 Groundbreakers Award
2013	Albany State University Top 50 Under 50
2013	Outstanding Ph.D. Student in Human Centered Computing Award (Clemson University)
2010 - 2011	R C Edwards Graduate Fellowship
2010 - 2011	George MacDonald Graduate Fellowship
2010 - 2011	Clemson Alumni Graduate Fellowship
2009	Conference Funding Award - Clemson University School of Computing
2009 - 2010	Southeast Alliance for Graduate Education and the Professoriate (SEAGEP) Fellowship
2006 – 2008	Southern Regional Education Board (SREB) Doctoral Scholar Award
2008	IEEE Services Society Certified Services Computing Instructor Certificate
2005	Auburn University President's Graduate Opportunity Program (PGOP) Award

Service

2022	Co-Chair for the Conference on Research in Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT 2022)
2022	ASEE (American Society for Engineering Education) Future Ready Engineering Ecosystem (FREE) Advisory Board
2021	Allocations Committee (Morehouse College)
2021	Invited Delegate - Georgia Legislative Black Caucus Inaugural Fall Think Tank
2021	NSF ER2: Broadening Participation in Computing Ethics Curriculum Development Advisory Board, Georgia Tech
2021	Academic Structure Review Summer Working Group (Morehouse College)
2021	Salesforce Impact Lab: Equity in Education, Community Fellow
2020	NSF Convergence Accelerator Committee on Improving Online Education Through Technology, Research, And Data
2020 - 2024	CodeVA RATH (Reaching Across the Hallway) Advisory Board
2020	P&G Scholarship Selection Committee (Morehouse College)
2020	Strategic Planning Committee: "Developing Strategic, Multidimensional Partnerships to Enhance Opportunities for Our Students" (Morehouse College)
2020	NSF CISE Panel Reviewer (February)
2020	NSF CISE Panel Reviewer (January)

* See Honors and Awards

Kinnis Gosha, PhD

2020	Planning Committee for the National Academies of Science Symposium on "Imagining the Future of Undergraduate STEM Education"
2019 - 2020	Institutional Effectiveness and Budget Committee (Morehouse College)
2019 - 2020	Strategic Planning Committee: Exercising Stewardship Meeting (Morehouse College)
2019 - 2020	Event Management Committee (Morehouse College)
2019 - 2020	Atlanta University Center Data Science Faculty Council Representative for Morehouse College
2019	CSforAll:RPP 2019 PI Meeting - Advisory Board Member
2019	Proceedings Chair for the Fourth International Conference of the IEEE Special Technical Community on Broadening Participation (RESPECT 2019)
2018	NSF Ad-Hoc Reviewer
2018	NSF Review Panel
2018	Local Planning Chair for Black Enterprise's BE SMART HBCU Academy: Tech Prep
2018	Session Chair for 2018 the ACM Special Interest Group for Computer Science Education (SIGCSE) Conference (Baltimore, Maryland)
2017	Program Committee Member for the Third International Conference of the IEEE Special Technical Community on Broadening Participation (RESPECT 2018)
2017 - present	Ambassador for the Google CS4HS (Computer Science for High School) Program
2017 - present	Curriculum and Educational Policy Committee member (Morehouse College)
2017 - present	State of Georgia Computer Science Education Advisory Council member
2017 - present	Student Affairs and Services SACS Committee member (Morehouse College)
2017	NSF CISE Review Panel (Arlington, VA)
2017	Morehouse College Non-Traditional Academic Initiatives Committee member (Morehouse College)
2017	Reviewer for Morehouse College Journal, *Challenge* (Morehouse College)
2017	Co-Coordinator for Morehouse College Graduate School Spring Break Trip (Morehouse College)
2016 to present	DeKalb High School of Technology - South Computer Science Advisory Committee
2016 to present	Institute for African-American Mentoring in Computing Sciences (NSF Broadening Participation in Computing Alliance) Leadership Team member
2016 to present	Science Training Advisory Committee Member (Morehouse College)
2016	NSF DHR Review Panel (Arlington, VA)
2016 to present	Conference Planning Committee, National Society for Blacks in Computing, Atlanta, Georgia

* See Honors and Awards

2016	Poster Judge, STARS Celebration Computing Conference, Atlanta, Georgia
2016	Local Arrangements Co-Chair, STARS Celebration Computing Conference, Atlanta, Georgia
2015 – 2016	Webmaster for the Atlanta Center for Creative Inquiry
2016 - present	Travel Scholarship Reviewer for the Tapia Celebration for Diversity
2016 - 2017	Broadening Participation Research Center Planning Committee member (Morehouse College)
2016	UNCF Code Warriors Camp Coordinator
2016 to 2017	Morehouse College Institutional Review Board member (Morehouse College)
2016	Speaker, Delta Academy Anti-Bullying and Self Esteem Building Workshop
2015 – present	Moderator of the Morehouse CS Department Facebook group (Morehouse College)
2015	Technical Advisory Committee (TAC) Member for the NSF Funded "Creating Pathways for Big Data Careers" Program
2015 - present	STARS Computing Corps (NSF Broadening Participation in Computing Alliance) Leadership Team member
2015	Coordinator for the Morehouse College University of Georgia Graduate Feeder Program (Morehouse College)
2015 to present	Morehouse College Faculty Development Committee member (Morehouse College)
2015	Webmaster for the Brothers of the Academy Web Portal
2015	Judge for the 2015 Morehouse College Makerspace Exploration Center Drone Competition (Morehouse College)
2015	Advisory Board Member and Webmaster for the Morehouse College Makerspace Exploration Center (Morehouse College)
2015	Provost's Committee for Science, Technology, Engineering, Arts and Math (STEAM) (Morehouse College)
2015	Poster Presentation Judge for the Association of Computer and Information Science/Engineering Departments at Minority Institutions (ADMI) 2015 National Conference
2014 - 2015	Action Research Team for the Southern Regional Education Board member
2014 & 2015	Proctor & Gamble Summer Leadership Academy Faculty and Curriculum Developer
2014	Delta Psi Boule of Sigma Pi Phi Fraternity (Athens, GA) Junior Scholars Program Morehouse Visitation Coordinator
2014	Poster Presentation Judge for the 2014 Morehouse College Dreams to Teach Program (Morehouse College)
2014	Research Mentor for the 2014 Morehouse College Dreams to Teach Program (Morehouse College)

See Honors and Awards

Kinnis Gosha, PhD

2013 & 2014	Summer Greater Orlando Upward Bound Math/Science Program Computer Science Instructor (Morehouse College)
2013 & 2014	Panelist for the SAEOPP McNair/SSS Scholars Research Conference (Atlanta, GA)
2014	Oral Presentation Judge for the SAEOPP McNair/SSS Scholars Research Conference (Atlanta, GA)
2013 - 2014	Coordinator for the Division of Science and Mathematics Tutorial Program (Morehouse College)
2013 – 2014	Paper Reviewer – ACM Computer Science Education Conference
2013 – 2014	Reviewer – Richard Tapia Celebration of Diversity in Computing Conference Poster Competition
2013	Coordinator for West Newton Elementary School 2nd Grade Gifted Program CRC Lab Visitation
2011 – 2012	Member – Empowering Leadership Alliance Student Advisory Board – Funded by the National Science Foundation
2011	Panelist for the Delta Sigma Theta Sorority, Inc. (SM -LAC) - Debutante Program & Educational Development Career Panel
2010 – 2011	Editor - Annals of the Next Generation *The Annuals of the Next Generation is a refereed, scholarly journal that seeks to provide a venue to showcase the next generation of African American scholars, by publishing the research of graduate students.*
2010 - 2011	Webmaster – Kappa Gamma Gamma Chapter of Omega Psi Phi Fraternity, Incorporated, Anderson, SC
2010 - 2011	Webmaster – Clemson Black Graduate Student Association
2010	Group 2-A Documenter – Computer & Information Science & Engineering NSF Broader Impacts for Research and Diversity Summit, Washington D.C.
2010	Program Committee – E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare & Higher Education, *Orlando, FL*
2010	Chair – Student Planning Committee for the South East Alliance for Graduate Education and the Professoriate (SEAGEP) 2010 Annual Conference, *Atlanta, GA*
2010	Course Instructor – Clemson University Career Workshop II: Discover Clemson
2009 – 2010	Member – Empowering Leadership Alliance Student Advisory Board – Funded by NSF
2009	Webmaster – National Teacher Education Journal, *Meridian, MS*
2009	Webmaster – Journal of Technology Integration in the Classroom
2009	Webmaster – School of Computing Alliance, *Clemson, SC*
2009	Technical Reviewer - The 41st ACM Technical Symposium on Computer Science Education, *Milwaukee, WI USA*
2009	Technical Reviewer & Program Committee Member - E-Learn - World Conference on E-Learning in Corporate, Government, Healthcare, and Higher

* See Honors and Awards

Kinnis Gosha, PhD

Education, *Vancouver, Canada*

2009   Technical Reviewer - 14th ACM–SIGCSE Annual Conference on Innovation and Technology in Computer Science – Paris, France

2008   Session Chair – Frontiers in Service Conference – *University of Maryland, USA*

2008   Technical Reviewer – Tapia 2009 Diversity in Computing Conference – *Portland, Oregon USA*

2006   Webmaster - Auburn World Usability Day Committee

2005 – 2006 Publications Chair for the National Society for Black Engineers (Region III)

2005   Spring 2005 Graduating Class President, Albany State University, *Albany, Georgia*

2004 - 2005 Telecommunications Chair for the National Society for Black Engineers (Region III)

Technical Workshops
Below are technical workshops offered by my research lab for K-12 students with the goal of outreach and recruitment.

- January 2020 - Lee County (Alabama) Youth Development Center (27 students)
- June 2019 - Jean Childs Young Middle School - Sphero Coding Workshop (21 students)
- April 2019 - Gresham Recreation Park Recreational Center - Sphero Coding Workshop (30 students)
- April 2017 – Archer Middle School - Sphero Coding Workshop (21 students)
- February 2017 – South Atlanta High School - Sphero Coding Workshop (26 Students)
- February 2017 – Stevenson High School - Sphero Coding Workshop (48 Students)
- October 2016 - Maynard Jackson High School - Sphero Coding Workshop (50 Students)
- April 2016 – West Elm Elementary School (Covington, GA) - Sphero Coding Workshop (21 Students)

Professional Organizations

- Association for Computing Machinery (ACM)
- IEEE Special Technical Community on Broadening Participation
- Black Data Processing Associates (BDPA)
- National Society for Blacks in Computing
- Institute for African Americans Mentoring in Computer Science (iAAMCS)
- Brothers of the Academy
- Service Research and Innovation Institute (SRII)
- Institute of Electrical and Electronics Engineers (IEEE) Computer Society
- ACM Special Interest Group for Computer Science Education (SIGCSE)
- Human Factor Ergonomics Society (HFES) – Clemson Chapter & National Member
- National Society of Black Engineers (NSBE)
- National Black Graduate Students Association (NBGSA)
- Empowering Leadership Alliance (EL Alliance)

* See Honors and Awards