EARL W. HUFF JR., PH.D.

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EDUCATION

Clemson University, Clemson, SC **May 2022**
Doctor of Philosophy in Human-Centered Computing
Dissertation: *Designing and Evaluating Accessible E-Learning for Students with Visual Impairments in K-12 Computing Education*
Committee: Dr. Julian Brinkley (Advisor), Dr. Gou Freeman, Dr. Paige Rodeghero, Dr. Mirali Sitaraman

Rowan University, Glassboro, NJ **May 2013**
Master of Science in Computer Science

Rowan University, Glassboro, NJ **May 2011**
Bachelor of Science in Computer Science
Specializations in Artificial Intelligence, Information Technology, Software Engineering, Programming Languages and Compilers

GRANTS AND PUBLICATIONS

Fellowships

Sept 2026-August 2027	Governor Bill Daniel Professorship in Archival Enterprise Fellowship
Sept 2024-August 2025	GSLIS Alumni Teaching Fellowship
Sept 2023-August 2024	Dr. Karen Balcom Endowed Fellowship

Grants

Jan 2026 – Jan 2027	Good Systems Seed Funding Grant **($50,000, funded**), *Hack the Camp-us: Sociotechnical Interventions by and for People with Disabilities* (PI: L. Chin, Co-PIs: P. Benfield, L. Chong, D. Higginbotham, J. Hsu, **E. Huff,** A. Kafer, S. Magana, E. Shyrock, A. Standridge). This project, coordinated with an interdisciplinary team, seeks to identify infrastructural barriers to campus-wide accessibility on UT's campus and co-design with disabled persons to design, develop, and evaluate AI-driven sociotechnical solutions to address them.

March 2023-March 2024 Texas Center for Equity Promotion Faculty Scholars Grant (**$5,981.75, Funded**), *Virtually Equitable?: A pilot study on educational leaders' perceptions of the accessibility of online tutoring* (**PI: E. W. Huff**, Co-PI: S. Woulfin). This interdisciplinary study at the intersection of education and technology policy will answer crucial questions about the accessibility of online tutoring services for students with disabilities. The results from this study, therefore, provide implications for how policymakers, reformers, and leaders reimagine and restructure tutoring to justly serve historically marginalized students across Texas.

May 2021 – August 2023 ACM Special Interest Group for Computer Science Education Special Projects Grant (EHR Racial Equity; **$4,098 Proposal Funded**), *Telling Our Narratives: Expanding Equity Within Computing Education* (PI: F. Castro, **Co-PIs: E. W. Huff**, G. Jayathirtha, Y. Jimenez, M. Kong, N. Melo, A. Solomon, & J. Tsan). This grant focuses on understanding the narratives of people engaged in research, teaching, learning, or service within computer science education (CS Ed). The goal is to explore how people's identities are represented and valued or not valued within the community and what equity looks like in an ideal CS Ed space.

PUBLICATIONS

Journal Articles

J.1 **Huff Jr, E. W.** (2025). Accessible LMS Design for Blind and Low-Vision Learners. *The Journal on Technology and Persons with Disabilities*, 12.

J.2 Cummings, R. T., **Huff, E. W.,** Mack, N. A., 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*, vol. 22, no. 5, pp. 29-40, 1 Sept.-Oct. 2020, doi: 10.1109/MCSE.2020.3005635.

J.3 Brinkley, J., **Huff Jr, E. W.,** Posadas, B., Woodward, J., Daily, S. B., & Gilbert, J. E. (2020). Exploring the Needs, Preferences, and Concerns of Persons with Visual Impairments Regarding Autonomous Vehicles. *ACM Transactions on Accessible Computing (TACCESS)*, *13*(1), 1-34.

J.4 **Huff Jr, E. W.,** & Brinkley, J. (2020). Ridesharing Drivers and Persons with Disabilities. *The Journal on Technology and Persons with Disabilities,* 160.

Peer-Reviewed Conference Papers

C.1 Perera, K. J. P. G., Nanayakkara, S. S., & **Huff Jr, E. W.** (2026, November). Modality Matters: How Interaction Modality Shapes Older Adults' Perceptions of Conversational Agents. In Proceedings of the 14th International Conference on Human-Agent Interaction [Accepted](in press).

C.2 Perera, K. J. P. G., Nanayakkara, S. S., & **Huff Jr, E. W.** (2026, July). Conversational Breakdown and Repair in Constraint-Heavy LLM-Based Architectures: A Trace-Based Taxonomy and Architectural Analysis for Reliable CUI Systems. In Proceedings of the 8th ACM Conference on Conversational User Interfaces (pp. 1-18).

C.3 Ko, E. G., Lee, H. H., Singh, A., Boddy, L., Ford, K., & **Huff Jr, E. W.** (2026, April). Toward scalable and responsible integration of course-specific AI tutors: instructor experiences with a campus-wide platform. In Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems (pp. 1-17).

C.4 Smith, T. M., **Huff, E. W.,** & Murugu, H. (2025, June). The Shift Towards Inclusion and Accessibility: The Impact of Inclusive Design on UX Career Preparation. In 2025 ASEE Annual Conference & Exposition.

C.5 Tanksley, T., Smith, A. D., Sharma, S., & **Huff Jr, E. W.** (2025, April). " Ethics is not neutral": Understanding Ethical and Responsible AI Design from the Lenses of Black Youth. In *Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems* (pp. 1-20).

C.6 Sharma, S. & **Huff, E.** (2024). AI-Based Applications in Higher Education: A Literature Review. Paper presented at the 2024 annual meeting of the American Educational Research Association. AERA Online Paper Repository.

C.7 Castro, F. E. V., **Huff Jr, E. W**., Solomon, A., & Bettin, B. (2024). Bringing Our Full Selves Into Computing: Designing, Building, and Fostering Equitable Computing Education Communities. In *Proceedings of the 2024 Conference on Innovation and Technology in Computer Science Education V. 1* (pp. 136-142).

C.8 Brinkley, J., **Huff, E. W.,** Gluck, A., & Enam, M. A. (2024, May). An Autoethnographic Study of the Waymo One Autonomous Ridesharing Ecosystem: Exploring Issues of Accessibility. In *2024 IEEE 4th International Conference on Human-Machine Systems (ICHMS)* (pp. 1-6). IEEE.

C.9 **Huff, E.** (2023). Accessible E-Learning Through Story-based Participatory Design for Persons with Vision Impairments. *Human-Centered Design and User Experience*, 114(114).

C.10 **Huff Jr., E. W.** & Brinkley, J. (2023). Perceptions of Readiness for Online Learning between Sighted and Visually Impaired Students. In *EDULearn23 Proceedings*. IATED.

C.11 **Huff Jr, E. W.,** Brewer, R. N., & Brinkley, J. (2022, October). Where Are You Taking Me? Reflections from Observing Ridesharing Use By People with Visual Impairments. In *Proceedings of the 24th International ACM SIGACCESS Conference on Computers and Accessibility* (pp. 1-6).

C.12 Brinkley, J., **Huff, E. W.,** & Gluck, A. (2022, November). Design Techniques for Exploring Inclusive Automotive Interaction Design in the Age of Vehicular Automation. In *2022 IEEE 3rd International Conference on Human-Machine Systems (ICHMS)* (pp. 1-10). IEEE.

C.13 Gluck, A., **Huff, E. W.,** Boateng, K., & Brinkley, J. (2022, November). Toward a Framework for Embodiment in Emerging Transportation Technologies for Facilitating In-Vehicle Experiences for Vulnerable and Disabled Road Users. In *2022 IEEE 3rd International Conference on Human-Machine Systems (ICHMS)* (pp. 1-5). IEEE.

C.14 **Huff, E. W.,** Tucker, N., Grady, S. D., & Brinkley, J. (2022, November). What Can My Car Tell Me? Consumer Perceptions of Transparency in Self-Driving Vehicles. In *2022 IEEE 3rd International Conference on Human-Machine Systems (ICHMS)* (pp. 1-10). IEEE.

C.15 **Huff Jr, E. W.,** & Brinkley, J. (2021). A Diary Study of The Teaching and Learning Experience in A High School Programming Course. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 65, No. 1, pp. 201-205). Sage CA: Los Angeles, CA: SAGE Publications.

C.16 **Huff Jr, E. W.,** Gluck, A., Boateng, K., & Brinkley, J. (2021). The Daily Experiences of Facebook for Visually Impaired Users. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 65, No. 1, pp. 221-225). Sage CA: Los Angeles, CA: SAGE Publications.

C.17 **Huff Jr, E. W.,** Grady, S. D., & Brinkley, J. (2021). Tell Me What I Need to Know: Consumers' Desire for Information Transparency in Self-Driving Vehicles. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 65, No. 1, pp. 327-331). Sage CA: Los Angeles, CA: SAGE Publications.

C.18 **Huff Jr, E. W.,** Boateng, K., Moster, M., Rodeghero, P., & Brinkley, J. (2021, March). Exploring the Perspectives of Teachers of the Visually Impaired Regarding Accessible K12 Computing Education. In *Proceedings of the 52nd ACM Technical Symposium on Computer Science Education* (pp. 156-162).

C.19 Brinkley, J., **Huff Jr, E. W.,** & Boateng, K. (2021, March). Tough but Effective: Exploring the use of Remote Participatory Design in an Inclusive Design Course Through Student Reflections. In *Proceedings of the 52nd ACM Technical Symposium on Computer Science Education* (pp. 170-176).

C.20 **Huff, E. W.,** Boateng, K., Moster, M., Rodeghero, P., & Brinkley, J. (2020, September). Examining The Work Experience of Programmers with Visual Impairments. In *2020 IEEE International Conference on Software Maintenance and Evolution (ICSME)* (pp. 707-711). IEEE. [Acceptance Rate: 37%].

C.21 Gluck, A., Boateng, K., **Huff, E. W.,** & Brinkley, J. (2020, September). Putting Older Adults in the Driver Seat: Using User Enactment to Explore the Design of a Shared Autonomous Vehicle. In *12th International Conference on Automotive User Interfaces and Interactive Vehicular Applications* (pp. 291-300).

C.22 **Huff Jr, E. W.**, Lucaites, K. M., Roberts, A., & Brinkley, J. (2020, December). Participatory Design in the Classroom: Exploring the Design of an Autonomous Vehicle Human-Machine Interface with a Visually Impaired Co-Designer. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 64, No. 1, pp. 1921-1925). Sage CA: Los Angeles, CA: SAGE Publications.

C.23 Gluck, A., **Huff Jr, E. W.,** Zhang, M., & Brinkley, J. (2020, December). Lights, Camera, Autonomy! Exploring the Opinions of Older Adults Regarding Autonomous Vehicles Through Enactment. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 64, No. 1, pp. 1971-1975). Sage CA: Los Angeles, CA: SAGE Publications.

C.24 Brinkley, J., & **Huff Jr, E. W.** (2020, December). Inclusion by Design: A 75-Minute Crash Course on Accessible Design. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 64, No. 1, pp. 831-835). Sage CA: Los Angeles, CA: SAGE Publications.

C.25 **Huff Jr, E. W**., DellaMaria, N., Posadas, B., & Brinkley, J. (2019). Am I Too Old to Drive?: Opinions of Older Adults on Self-Driving Vehicles. In *The 21st International ACM SIGACCESS Conference on Computers and Accessibility* (pp. 500-509). ACM. [Acceptance rate: 26%]

C.26 Gosha, K., Kannan, V., Morgan, L., & **Huff Jr., E.W.**. (2019). Strategic Partnerships to Enhance Data Structures and Algorithms Instruction at HBCUs. In *2019 ACM Southeast Conference (ACMSE 2019), April 18-20, 2019, Kennesaw, GA, USA.* ACM, New York, NY, USA, 4 pages. https://doi.org/10.1145/3299815.3314457

C.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. [Acceptance rate: 29%]

C.28 Cummings, R., **Huff, E. W**., Mack, N.A., Womack, K., Reid, A., Ghoram, B., Gilbert, J.E, & Gosha, K. (2019). Vlog Commentary YouTube Influencers as Effective Advisors in College and Career Readiness for Minorities in Computing: An Exploratory Study. *2019 Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT'19)* ***[Distinguished Paper Award]***

C.29 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. [Acceptance rate: 29%]

C.30 **Huff, 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. [Acceptance rate: 29%]

C.31 Mack, A., **Huff, E. W.**, Cummings, R., Womack, K., Dowling, N., & Gosha, K. (2019). 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), February 27- March 2, 2019, Minneapolis, MN, USA*. ACM, New York, NY, USA, 5 pages. [Acceptance rate: 32%]

C.32 Julian, L., Gosha, K., and **Huff, E. W.**. (2018). The Development of a Conversational Agent Mentor Interface Using Short Message Service (SMS). *In SIGMIS-CPR '18: 2018 Computers and People Research Conference, June 18–20, 2018, Buffalo-Niagara Falls, NY, USA*. ACM, New York, NY, USA, 4 pages. https://doi.org/10.1145/3209626.3209721

C.33 **Huff, E. W**., & Gosha, K. (2018). 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'18)* [Acceptance rate: 30%]

C.34 Hussey, R., **Huff, E**., Shinwari, Z., & Hnatyshin, V. (2013, July). *A Comparative Study of Proactive and Reactive Geographical Routing Protocols for MANET. In* Proc. of the 12th International Conference on Wireless Networks (ICWN'13).

Extended Abstracts and Posters

AP.1 Kiesler, N., Alshaigy, B., Elglaly, Y. N., Fronza, I., Gerdes, A., **Huff Jr, E. W.**, ... & Smith IV, D. H. (2026, July). Using the Potential of GenAI Tools for Accessibility. In Proceedings of the 31st ACM Conference on Innovation and Technology in Computer Science Education V. 2 (pp. 731-732).

AP.2 Nanayakkara, S., & **Huff Jr, E. W.** (2025, October). Call, text, or face-to-face? Evaluating GenAI chatbot interface preferences of older adults. In Proceedings of the 27th International ACM SIGACCESS Conference on Computers and Accessibility (pp. 1-5).

AP.3 Ko, E. G., Nanayakkara, S., & **Huff Jr, E. W.** (2025, April). " We need to avail ourselves of [GenAI] to enhance knowledge distribution": Empowering Older Adults through GenAI Literacy. In Proceedings of the Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (pp. 1-7).

AP.4 **Huff Jr, E. W.,** Zhang, M., & Brinkley, J. (2020, December). Enacting into Reality: Using User Enactment to Explore the Future of Autonomous Vehicle Design. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 64, No. 1, pp. 1561-1565). Sage CA: Los Angeles, CA: SAGE Publications.

AP.5 **Huff Jr, E. W.,** Stigall, B., Brinkley, J., Pak, R., & Caine, K. (2020, April). Can Computer-Generated Speech Have an Age?. In *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems Extended Abstracts* (pp. 1-7).

AP.6 Gosha, K., and **Huff, E. W.**, and Scott, J. (2018). Computing Career Exploration For Urban African American Students using Embodied Conversational Agents: Poster Abstract. *In SIGMIS-CPR '18: 2018 Computers and People Research Conference, June 18–20, 2018, Buffalo-Niagara Falls, NY, USA*. ACM, New York, NY, USA, 1 page. https://doi.org/10.1145/3209626.3209731

Technical Reports and White Papers

TW.1 Smith, J. M., Wallace, C., Elglaly, Y., & **Huff Jr, E. W.** (2022). A Technical Symposium for All. *ACM SIGCSE Bulletin*, *54*(4), 7-9.

TW.2 **Huff, E.,** Koushik, V., Ladner, R. E., Ludi, S., Milne, L., Mountapmbeme, A., Perkoff, M., & Stefik, A. (2021). *Accessible Tools and Curricula for K-12 Computer Science Education* [White Paper]. Virtual Event. https://www.microsoft.com/en-us/research/uploads/prod/2021/02/Accessible-Tools-and-Curricula-for-K-12-Computer-Science-Education_Group-A.pdf

Workshops

W.1 **Huff, E. W.**, Castro, F., Jayathirtha, G., Jimenez, Y., Kong, M., Melo, N. A., ... & Tsan, J. (2021, March). Going Through a Process of Whitening: Student Experiences Within Computer Science Education. In *Proceedings of the 52nd ACM Technical Symposium on Computer Science Education* (pp. 1348-1348).

EXPERIENCE

The University of Texas at Austin, Austin, TX **August 2022**
Assistant Professor, School of Information
Courses taught:
- INF 385T: Special Topics in Information Science: Inclusive Design for Accessible Technology
  - Fall 2022, Fall 2023, Fall 2024, Fall 2025, Fall 2026
- I 310U: Introduction to User Experience Design
  - Spring 2023, Spring 2024, Spring 2025, Spring 2026
- I 320J: Special Topics in Social Justice Informatics: Understanding Disability and Accessibility
  - Fall 2023, Fall 2024, Fall 2025, Fall 2026

Research

Clemson University, Clemson, SC **2019-2022**
Postdoctoral Research Assistant
Graduate Research Assistant, Design and Research of In-Vehicle Experiences (D.R.I.V.E.) Lab
Advisor: Dr. Julian Brinkley
- Contributing to research in the accessibility of emerging automated vehicle technology for persons with disabilities and older adults.
- Contributing to the development of an autonomous driving simulator for research purposes.
- Use qualitative methods such as focus groups, interviews, user enactment, and diary studies for user needs analysis.

Morehouse College, Atlanta, GA **2018**
Research Scientist, Culturally Relevant Computing (C.R.C.) Lab
Advisor: Dr. Kinnis Gosha

- Conducting research in broadening participation in computing through virtual mentoring.
- Contributed to the design, development, and user experience evaluation of a multi-modal, cross-platform virtual mentoring conversational agent for use with minority undergraduate computer science students.
- Conducted usability tests to evaluate conversational user interfaces.
- Used qualitative methods such as focus groups and interviews for user needs analysis.
- Used qualitative and quantitative data analysis for analyzing usability and user experience data.

North Carolina State University, Raleigh, NC **2016-2017**
Research Assistant, Game2Learn Lab
Advisor: Dr. Tiffany Barnes

- Conducting research in computer science education, broadening participation in computing, and serious games for education.
- Contributed to research in developing a social networking game to help first-time conference attendees meet and network with other attendees.

Teaching

Clemson University, Clemson, SC **2018**
Teaching Assistant, *Software Development Foundations*

- Teaching assistant for two iterations of Software Development Foundations
- As graduate lead over a total of 5 programming lab sections, I conducted the lab lectures, providing instructions and aid to students during the allotted time.
- I held office hours for students seeking help with programming projects.
- I assisted the course instructor in grading exams, and independently graded quizzes and programming projects.

Elon University, Elon, NC **2017**
Adjunct Instructor, *Computer Science I*

- Taught two sections of Computer Science I, an introductory course for teaching the basic foundations of computer programming, in the Java programming language.
- Topics taught in the course included coding syntax and best practices, basic data types, variables, methods, classes, conditionals, and loops.

Duke University (Talent Identification Program), San Antonio, TX **2017**
Summer Instructor, *Web Application Development*

- Taught two three-week sessions of Web Application Development to 10-12-year-old students.
- Developed the curriculum to teach full-stack web development using HTML, CSS, JavaScript, PHP, and MySQL for students to design and build their own web application, which they demoed at the conclusion of the course.

North Carolina State University, Raleigh, NC **2017**
Teaching Assistant, *Software Engineering*

- Teaching assistant for one section of Software Engineering.
- As graduate lead over 3 programming lab sections, I conducted the lab lectures, providing instructions and aid to students during the allotted time.
- I held office hours for students seeking help with programming projects.
- I assisted the course instructor in grading exams, and independently graded programming projects.

Camden County Community College, Blackwood, NJ **2014-2015**
Adjunct Instructor, *Web Design I* (Spring 2015), *Web Design II* (Fall 2014, 2015)

- Taught one iteration of Web Design I and two sessions of Web Design II.
- In Web Design I, I focused on teaching the fundamentals of designing webpages in terms of structure, planning, the semantics of HTML tags, and incorporating media.

Rowan University, Glassboro, NJ **2016**
Adjunct Instructor, *Object-Oriented Programming and Data Abstraction*

- Taught one section of Object-Oriented Programming and Data Abstraction (OOPDA) and one section of Introduction to Scientific Programming.
- In OOPDA, I taught advanced topics in programming in Java, including inheritance, polymorphism, exception handling, File I/O, generics, GUI building, and UML diagramming.
- In Introduction to Scientific Programming, I taught programming from more of an algorithmic approach to problem-solving using Java. Students learned about using code to build small computer programs in a step-by-step procedure that can be applied conceptually to other scientific fields.

CONFERENCE PRESENTATIONS

Panels

"Writing and Publishing," The National Society of Blacks in Computing Conference, Atlanta, GA, Aug 2019

"Publish and Flourish," The National Society of Blacks in Computing Conference, New Orleans, LA, Aug 2018

Oral

"Accessible LMS Design for Blind and Low-vision Learners", CSUN Assistive Technology Conference, Anaheim, CA, March 2025

"Perceptions of Readiness for Online Learning between Sighted and Visually Impaired Students," 15th Annual International Conference on Education and New Learning Technologies, Palma De Mallorca, Spain, July 2023

"What Can My Car Tell Me? Consumer Perceptions of Transparency in Self-Driving Vehicles," IEEE 3rd International Conference on Human-Machine System, Gainesville, FL, November 2022

"Where Are You Taking Me? Reflections from Observing Ridesharing Use By People with Visual Impairments," 24th International ACM SIGACCESS Conference on Computers and Accessibility, Athens, Greece, October 2022

"Online Learning, An (Accessible) Convenience to Education?", School of Information, The University of Texas at Austin, September 2022

"A Diary Study of The Teaching and Learning Experience in A High School Programming Course," The Annual Meeting of the Human Factors and Ergonomics Society, October 2021

"The Daily Experiences of Facebook for Visually Impaired Users," The Annual Meeting of the Human Factors and Ergonomics Society, October 2021

"Tell Me What I Need to Know: Consumers' Desire for Information Transparency in Self-Driving Vehicles," The Annual Meeting of the Human Factors and Ergonomics Society, October 2021

"Exploring the Perspectives of Teachers of the Visually Impaired Regarding Accessible K12 Computing Education," ACM Technical Symposium on Computer Science Education (Virtual), March 2021

"Participatory Design in the Classroom: Exploring the Design of An Autonomous Vehicle Human-Machine Interface with a Visually Impaired Co-Designer," The Annual Meeting of the Human Factors and Ergonomics Society (Virtual), October 2020

"Examining the Workplace Experience of Programmers with Visual Impairments," IEEE Conference on Software Maintenance and Evolution (Virtual), September 2020

"Am I Too Old To Drive?: Opinions of Older Adults on Self-Driving Vehicles", ACM International SIGACCESS Conference on Computing and Accessibility, October 2019

"Evaluating the Usability of Pervasive Conversational User Interfaces for Virtual Mentoring", International Conference on Human-Computer Interaction, July 2019

"The Development of a Conversational Agent Mentor Interface Using Short Message Service", Computers and People Research Conference, June 2018

"Awareness and Readiness for Graduate School of African American Male Computer Science Students", RESPECT Conference, Feb 2018

"Developing and Deploying a Peer Mentoring Program for a Computing Department," STARS Celebration, Atlanta, GA, Sept 2017

"Starting and Maintaining a Peer Mentoring Program", STARS Celebration + RESPECT Conference, Atlanta, Ga, Aug 2016

HONORS AND AWARDS

Future Faculty Career Exploration Program Invitee, Rochester Institute of Technology, 2020
SIGCHI Student Travel Grant, 2019
NextProf Pathfinder Workshop Travel Grant, University of Michigan, 2019
Clemson University Graduate Student Travel Grant, 2019
National Society of Blacks in Computing Conference Scholarship, 2018, 2017
Richard Tapia Conference Scholarship, 2017

SERVICE

Workshops

"Introduction to Design Thinking", iSchool Inclusion Institute, University of Texas at Austin, June 2022

"What Are Your Papayas? Assimilating to Belong in Computing," ACM Richard Tapia Celebration of Diversity in Computing (Virtual), September 2021

"Going Through a Process of Whitening: Student Experiences Within Computer Science Education," ACM Technical Symposium on Computer Science Education (Virtual), March 2021

"Writing Technical Papers in LaTeX", Computer Science Department, Morehouse College, Atlanta, GA, June 2019

Invited Talks

"Equity and Access in Electronic Learning Technology," 2025 German-American Frontiers of Engineering Symposium, Oak Ridge, TN, March 2025

"Accessible Online Learning in K-12 Computing Education: From Exploration to Reality", Department of Human-Centered Computing, Indiana University-Purdue University Indianapolis, Indianapolis, IN, March 2022

"To Understand the Problem, You Must Understand the People: A Human-Centered Approach Towards an Equitable and Inclusive Society", Department of Informatics, University of California, Irvine, Irvine, CA, January 2022

"To Understand the Problem, You Must Understand the People: A Human-Centered Approach Towards an Equitable and Inclusive Society", Department of Computer Science, Colorado School of Mines, Golden, CO, October 2021

"To Understand the Problem, You Must Understand the People: A Human-Centered Approach Towards an Equitable and Inclusive Society", School of Computer and Information, University of Pittsburgh, Pittsburgh, PA, October 2021

"Human-Centered Computing: Understanding What It Is and Its Impact on Society" (virtual talk), School of Library and Information Sciences, North Carolina Central University, Durham, NC, November 2020

"Learning To Code Without Vision: The Proficiencies of High School Students with Visual Impairments In Programming" (virtual talk), School of Information, Rochester Institute of Technology, Rochester, NY, September 2020

"Human-Centered Computing and Its Impact on Technology Design" (virtual talk), School of Library and Information Sciences, North Carolina Central University, Durham, NC, March 2020

Leadership

ACM International SIGACCESS Conference on Accessibility and Computing (ASSETS)
Co-Chair, Workshops, 2023
Program Committee Member, 2025

ACM Conference on International Computing Education Research (ICER)
Program Committee Member, 2025

ACM Special Interest Group on Computer Science Education (SIGCSE)
Co-Chair, Universal Design/DEIA Committee, 2022-present

ACM Special Interest Group on Computer-Human Interaction (SIGCHI)
Accessibility Committee Member, 2021 - 2023

ACM CHI Conference on Human Factors in Computing Systems
Assistant to Papers Chairs, Program Committee, 2020

National Society of Blacks in Computing
Graduate Track Chair, 2019
Scholarship Selection Committee, 2019

Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT) Conference
Conference Program Co-Chair, 2025, 2026
Co-Chair, Research Papers Track, 2024
Co-Chair, Experience Reports Track, 2023
Program Committee Member, 2019
Session Chair, 2019

Clemson University Graduate Elections Committee, Graduate Student Government
Committee Member, 2018

NC State University STARS Computing Corps
Evaluation Assistant, Aug 2016 to May 2017

NC State Computer Science Undergraduate Research Symposium

Host/MC, Coordinator, Fall 2016 to Spring 2017

MEMBERSHIPS

National Disability Center for Student Success, University of Texas at Austin
Faculty Research Affiliate, 2023-present

Texas Center for Equity Promotion, University of Texas at Austin
Faculty Affiliate, 2022-present

Texas Center for Disability Studies, University of Texas at Austin
Faculty Affiliate, 2023-present

Human Factors and Ergonomics Society
National Student Member, 2020-2021
Member – Clemson University Chapter, 2018-2019

Black Graduate Students Association, Clemson University Chapter
Vice President, 2019-2020
Liaison to Commission on the Black Experience, 2020-2021
Member, 2018-2022

Clemson University Commission on the Black Experience
Graduate Student Commissioner, 2020-2021

Association for Computing Machinery (ACM)
Special Interest Groups (SIGS):

- Computer Science Education (SIGCSE)
- Computer-Human Interaction (SIGCHI)
- Accessible Computing (SIGACCESS)

TECHNICAL SKILLS

Programming languages: Python, Java, JavaScript, C#
Markup/Styling: HTML, CSS
Text Editors/IDEs: NetBeans, IntelliJ, Visual Studio, Visual Studio Code, Atom, Sublime Text, Notepad++
Data Collection/Analysis Platform/Languages: R, R Studio, MAXQDA, Jupyter Notebook, Qualtrics
User Research/User Experience: Interviews, Focus Groups, Diary Study, Storyboarding, Wireframing, Prototyping, Affinity Diagramming, Usability testing

LANGUAGES

English: Fluent