

Kwajo Boateng

2315 Stadium Rd
Sumter, SC 29154

(803) 220-7393 | kwajob@clemson.edu | www.linkedin.com/in/kwajob/

EDUCATION

B.S. in Computer Science, Clemson University, Class of 2021

RESEARCH INTERESTS

Investigating applications of human-computer interaction (HCI) in relation to underrepresented minority populations and underdeveloped countries.

Research Areas:

Human Computer Interaction, User-Experience, Accessibility

PUBLICATIONS

Conference Proceedings

Brinkley, J., Huff Jr., E., **Boateng, K.** & Ahire, S. (2020). Autonomous Vehicle Anti-Patterns: Making Emerging Transportation Technologies Inaccessible by Design. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting 64*. [To Appear].

Gluck, A., **Boateng, K.**, Huff Jr., E. & Brinkley, J. (2020). Putting Older Adults in the Driver Seat: Using User Enactment to Explore the Design of a Shared Autonomous Vehicle. *Proceedings of the Automotive User Interface Conference*. [To Appear].

Huff Jr., E., **Boateng, K.** & Brinkley, J. (2020). Dear Diary: Conducting Diary Studies with Participants with Visual Impairments. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting 64*. [To Appear].

Huff Jr., E., **Boateng, K.**, Moster, M., Rodeghero, P. & Brinkley, J. (2020). Examining the Work Experience of Programmers with Visual Impairments. *Proceedings of International Conference on Software Maintenance and Evolution*. [Acceptance Rate: 37%; To Appear].

Huff Jr., E., **Boateng, K.**, Moster, M., Rodeghero, P. & Brinkley, J. (2020). Exploring the Perspectives of Teachers of the Visually Impaired Regarding Accessible K12 Computing Education. *SIGCSE Technical Symposium 2021*. [To Appear].

Huff Jr., E., **Boateng, K.** & Brinkley, J. (2020). Tough but Effective: Exploring the use of Remote Participatory Design in an Inclusive Design Course Through Student Reflections. *SIGCSE Technical Symposium 2021*. [To Appear].

RESEARCH EXPERIENCE

Undergraduate Researcher, 2019 – Present

Design and Research of In-Vehicle Experiences Lab (DRIVE Lab), Clemson University

- Conduct user research in uncovering accessibility challenges in emerging transportation technologies for people with disabilities and older adults.
- Perform data collection and analysis in collaboration with teammates
- Write and publish high quality research papers in collaboration with teammates.
- Conduct qualitative data analysis using tools like MAXQDA

Undergraduate Researcher, Spring 2019

NSF #1642102 CICI: Regional: SouthEast SciEntific Cybersecurity for University Research, Clemson University

- Interview National Science Foundation (NSF) funded faculty about their research and concerns
- Document workflows and suggest cybersecurity solutions to faculty
- Collaborate with a team of other researchers to accomplish tasks

HONORS AND AWARDS

DOT Inclusive Design Challenge Semi-finalist, 2021

ACM HotMobile Student Travel Grant, 2020

Richard Tapia Conference Scholarship, 2020

SERVICE

Clemson Tiger Alliance

Ambassador, Spring 2018 - Present

Clemson Brother-2-Brother

President, Fall 2019 – Spring 2020

Membership Chair, Fall 2018 – Spring 2019

National Society of Black Engineers

Finance Chair, Fall 2018 – Spring 2019

SKILLS & ABILITIES

Programming languages: Java, C++, C, C#

Text Editors/IDEs: IntelliJ, Atom, Visual Studio

User Research/Experience: Focus groups, User enactment, Diary Study, Surveys

Data Collection/Analysis: MAXQDA