Ashlyn Campbell

www.ashlyncampbell.com —Linkedin: ashlyncampbell3 —Github: ashlynthemitm

INTERESTS

Computing Education, Human-Centered Artificial Intelligence, Human-Computer Interaction

EDUCATION

University of Michigan — 2025 — Present
Doctorate of Philosophy in Information — Ann Arbor, Michigan
Advised By: Dr. Barbara Ericson & Dr. Mark Guzdial

Georgia State University, GPA: 4.05/4.00 — 08/2021 — 05/2025
Bachelor of Science in Computer Science, Concentration in Data Science, Minor in Sociology — Atlanta, Georgia
Honors Thesis: Artificial Intelligence for Intersectional Analysis in Computing Education Research
Advised By: Dr. Anu Bourgeois & Dr. Mario Kubek

PUBLICATIONS

Papers

- **Ashlyn Campbell**, Anu Bourgeois, and Nannette Napier. RISE Stars: An Experience Report on a Cohort of Black Freshmen Women in Computing. ACM SIGCSE 2025

Posters

- **Ashlyn Campbell**. The Ontological-Centered Artificial Intelligence Tool. Georgia State Honors Research Conference
- **Ashlyn Campbell**. Maternal Health Monitor+: A Personalized Computational Framework for Early Detection and Intervention. NSBE 50th Conference Technical Research Exhibition, Journal of Black Excellence in Engineering, Science, & Technology

EXPERIENCE

Lawerence Livermore National Laboratory, *Graduate Researcher* — 05/2025 — Present
Data Science Summer Institute (DSSI), Advised by: Saurabh Narain

Clemson University, *Undergraduate Research Assistant* — 01/2025 — Present
Human and Technology (HAT) Lab REU, Advised by: Kelly Caine & Bart Knijnenburg
Collaborate on NSF projects focusing on data privacy and computing education.

Microsoft, *Software Engineer Internship* — 06/2024 — 09/2024
Collaborated on project specs and optimized cloud-based application integration.
Tools: TypeScript

Raytheon Technologies, *Software Engineering Co-Op* — 01/2023 — 08/2023
Enhanced field efficiency and software quality through scripting and testing.
Tools: Python, C++

Georgia Community Action Association, *Data Analytics Internship* — 05/2022 — 01/2023
Presented data models and outcomes for informed decision-making.
Tools: Python, Tableau

TEACHING

Undergraduate Teacher Assistant at Georgia State University — 09/2023 — 05/2025
Introduction to Python Programming & Software Engineering Capstone
- Worked with professors to manage grading and office hours sessions for course sizes of 100-200 students.

Mathematics Student Assistant at Georgia State University — 09/2021 — 05/2022
College Algebra
- Delivered 1:1 tutoring for recession courses over 300 students.

Mathematics Tutor — 10/2020 — 04/2022
Geometry, High School Algebra 1&2
- Taught middle & high school students at local community centers & virtual zoom environments.

TALKS

Presentations

- **Presenter** ACM Special Interest Group for Computer Science Education (SIGCSE) 2025
- **Presenter**, Georgia State Honors Research Conference (GSURC) 2025
- **Presenter**, Georgia State Honors Research Conference (GSURC) 2024

Panels

- **Panelist**, Faculty Talk, Cultural Competence in Computing (3C) Fellows by Duke University 2025
- **Panelist**, Women's History Month Celebration by WomenLead 2024

LEADERSHIP & OUTREACH

- **Student Advisory Board Member**, Alliance for Identity-Inclusive Computing Education 03/2025 — Present
- **Program Coordinator & Founder of Stars**, RISE in Computing 05/2023 — Present
  Created a network of 50+ freshmen Black women, 25+ junior/senior Black women
  to increase retention through community-centered projects.
- **Executive Board Member**, National Society of Black Engineers (NSBE) 09/2023 — 06/2024

AWARDS & SCHOLARSHIPS

- Rackham Merit Fellowship, University of Michigan 2025
- Outstanding Senior Award in Computer Science, Georgia State University 2025
- FOCUS Scholar, Georgia Institute of Technology 2025
- William R. Hearst Scholar, Georgia State University 2025
- Emerging Leaders in AI Fellow, Black in AI 2024
- Black Issues in Computing Education (BICE), *Dominican Republic*, NCWIT Scholar 2023
- Benjamin Gilman International Scholarship, *Bali, Indonesia*, U.S. Department of State 2023
- Sprout Social Scholar, United Negro College Fund (UNCF) 2023
- WomenLead Scholar, TEDWomen Conference 2023
- Special Mention Award, Morgan Stanley Hackathon 2022
- Career Prep Fellow, Management Leadership for Tomorrow (MLT) 2023
- Dell Scholar, WomenLead 2022

SKILLS

- **Programming Languages:** Proficient: Python, Java, SQL; Familiar: C/C++, JavaScript, HTML/CSS
- **Data Tools:** Python (PyTorch, Pandas, Matplotlib, Scikit-learn), PostgreSQL, MySQL, Alteryx, Tableau, QGIS, Jupyter, Anaconda
- **Technologies & Frameworks:** Git, Subversion, Docker, Linux, Azure, Flask, Node.js, React Native
- **Advanced Undergraduate Coursework:** Fundamentals of Data Science, Machine Learning Research Experience, Database Systems, Data Visualization, Social Statistics, Data Structures & Algorithms, Social Research Methods, Big Data for Public Good

SERVICE

- Volunteer, ACM SIGCSE 2025
- Mentor, SMASH AI Hackathon 2024
- Service Leader, Panther Plunge 2024
- Volunteer, Black Mamas Matter Alliance (BMMA) 2024
- Volunteer, ACLU Atlanta PRIDE 2024
- Volunteer, ACLU Atlanta PRIDE 2023
- Presenter, 3D Girls 2023