

# Ashlyn Campbell

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## INTERESTS

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Computing Education, AI in Education, AI Literacy, Education Policy

## EDUCATION

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**University of Michigan** 08/2025 - Present  
Doctorate of Philosophy in Information, Master's Higher Education & Public Policy Ann Arbor, Michigan

**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

## PUBLICATIONS

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### Papers

- **Ashlyn Campbell**, Angela D.R. Smith. The Double Bind: The Reality of Generative AI in the Introductory Computing Sequence. ACM Conference on Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT) 2025 [Submitted]
- **Ashlyn Campbell**, Anu Bourgeois, Nannette Napier. RISE Stars: An Experience Report on a Cohort of Black Freshmen Women in Computing. ACM Special Interest Group Computer Science Education (SIGCSE) 2025

## RESEARCH ASSISTANTSHIPS

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**Researcher** at University of Michigan Critical Participatory Action Research (CPAR) Project 01/2026 – Present

- *Boldly Moving Education Ahead (BMEA)*

**Undergraduate Researcher** at Clemson University Human and Technology (HAT) Lab 01/2025 – 05/2025

- *Human-Centered AI Systems (NSF #2232690)*
  - Conducted a structured literature analysis of HCI publications involving AI-related methods.
  - Coded and synthesized human participant characteristics, study methodologies, and evaluation practices to identify patterns in how AI user research is conducted.
- *Computing Education Pedagogical Approaches (NSF #2111354)*
  - Applied grounded theory methods to analyze instructor interviews across R1 institutions.
  - Synthesized findings to inform evidence-based recommendations for equitable pedagogical approaches.

## TEACHING

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**Part-time Instructor** at SMASH Academy 2026 — Present

- Work with the program to tutor K-12 students in computer science concepts.

**Undergraduate Teacher Assistant** at Georgia State University 09/2023 — 05/2025  
*Introduction to Python Programming 2 & 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  
*Elementary Math, Geometry, and High School Algebra 1&2*

- Taught K-12 students at local community centers & virtual zoom environments.

## TALKS & WORKSHOPS

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- **Presenter**, ACM Richard Tapia Conference, [Submitted] 2026
- **BoF Presenter**, Computing Research Association (CRA) Widening Participation 2026
- **Presenter**, Student Voice in Action: AiiCE Student Advisory Board 2026
- **Presenter**, Year of Life-Changing Education Wolverine Pathways, University of Michigan 2025
- **Speaker**, PhD Admission Advice Column, School of Information, University of Michigan 2025
- **Panelist**, Faculty Talk, Cultural Competence in Computing (3C) Fellows by Duke University 2025
- **Panelist**, Women History Month Celebration by WomenLead 2024

## MENTORSHIP & OUTREACH

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- **Advisory Board Member**, Alliance for Interdisciplinary Innovation in Computing Education 03/2025 — Present
- **Program Assistant**, University of Michigan, Rackham MSI Connect 10/2025 — Present
- **Program Coordinator & Founder of Stars**, RISE in Computing 05/2023 — 05/2025  
*Created a network of 50+ freshmen Black women, 25+ junior/senior Black women to increase retention through community-centered projects and research.*
- **Mentor**, IAMSTEM 05/2025 — 07/2025  
*Led weekly sessions with high school students to share guidance on computer science.*
- **Executive Board Member**, National Society of Black Engineers (NSBE) 09/2023 — 06/2024

## INTERNSHIPS

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- Lawrence Livermore National Laboratory**, *Machine Learning Researcher* 05/2025 — 08/2025  
Data Science Summer Institute (DSSI)  
Developed deep learning models for low data volumes to inform stakeholders of potential solutions.  
Tools: Python (PyTorch, Sklearn)
- Microsoft**, *Software Engineer* 06/2024 — 09/2024  
Collaborated on user interface design and optimized cloud-based application integration.  
Tools: TypeScript
- Raytheon Technologies**, *Software Engineer* 01/2023 — 08/2023  
Improved developer efficiency and software quality through automated scripting.  
Tools: Python (Matplotlib, Pandas, Numpy), C++
- Georgia Community Action Association**, *Data Analyst* 05/2022 — 01/2023  
Presented data models and outcomes for informed decision-making.  
Tools: Python, Tableau

## AWARDS & FELLOWSHIPS

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- Graduate Research Fellowship, National Science Foundation (NSF) *[Submitted]* 2026
- Innovation Science for Education Analytics (ISEA) Fellow, University of Washington 2026
- GEM Fellow, The National GEM Consortium 2025
- Rackham Merit Fellow, 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 (BAI) (founded by Timnit Gebru & Rediet Abebe) 2024
- NCWIT Scholar, IEEE BICE, *Dominican Republic* 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
- Software Engineering Fellow, Management Leadership for Tomorrow (MLT) 2023
- Dell Scholar, WomenLead 2022

## SERVICE

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Reviewer: ACM SIGCSE 26, IEEE FIE 2025

## SKILLS

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- **Programming Languages:** Python, Java, SQL, C/C++, JavaScript, HTML/CSS
- **Data Tools:** Python (PyTorch, Pandas, Matplotlib, Scikit-learn), SQL, 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, Database Systems, Data Visualization, Social Statistics, Data Structures & Algorithms, Social Research Methods, Big Data for Public Good