

Shandler A. Mason

Ph.D. Student

Teaching Assistant, Graduate Research Assistant

Human Factors + Experience Engineering Lab

(Discovering and Inventing for Human-Centered SE and AI)

Department of Computer Science

North Carolina State University

Wolfpack Innovations in Software Engineering Research Lab

Raleigh, North Carolina

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Professional Preparation

- Pursuing Ph.D. Computer Science, North Carolina State University, Raleigh, NC, Expected 2026.
- M.S. Computer Science, North Carolina State University, Raleigh, NC, 2024.
- B.S. Computer Science with Minor in Applied Mathematics, *summa cum laude*, North Carolina Agricultural and Technical State University, Greensboro, NC, 2022.

Fellowships (Total: \$47,200)

- GEM Employer PhD Fellowship, North Carolina State University and The Aerospace Corporation, 2022, (\$16,000 over one year)
- Provost's Doctoral Fellowship, North Carolina State University Office of the Provost and College of Engineering, 2022, (\$31,200 over one year)

Awards, Scholarships, Grants (Total: \$15,670)

- UNC Campus Scholarship Award, NCSU Graduate School, 2024-25, (\$2,500)
- Diversity Enhancement Grant Award, UNC Campus and NCSU Graduate School, 2024, (\$1,000)
- Grad Cohort for IDEALS Travel Award, Computing Research Association, 2024, (\$785)
- Diversity Enhancement Grant Award, NCSU Graduate School, 2023, (\$450)
- Travel Award, NCSU College of Engineering, 2023, (\$1,000)
- Graduate Enhancement Award, NCSU College of Engineering, 2023, (\$2,850)
- Federal Civilian Employee Scholarship, First Command Educational Foundation, 2023, (\$1,000)
- Grad Cohort for Women Travel Award, Computing Research Association, 2023, (\$785)
- Student Travel Grant Award, GEM Annual Board Meeting & Conference, 2023, (\$500)
- Diversity Graduate Assistance Grant, NCSU Graduate School, 2022-23, (\$800)
- Graduate Merit Award, NCSU College of Engineering, 2022-23, (\$4,000)
- NCWIT Aspirations in Computing High School Award, National Level, 2017

Research Publications

A. Refereed Journal Publications

[1] **Shandler A. Mason**, Sandeep K. Kuttal, "Diversity's Double-Edged Sword: Analyzing Race's Effect on Remote Pair Programming Interactions," ACM Transactions on Software Engineering and Methodology (TOSEM), 2024. *Journal-First Track at ICSE 2025

B. Rigorously Reviewed Conference Publications

- [1] **Shandler A. Mason**, Hank Lenham, Sandeep Kuttal, “Breaking the Silos: An Actionable Framework for Recruiting Diverse Participants in SE,” Software Engineering in Society (SEIS) at 47th International Conference on Software Engineering (ICSE), 2025.
- [2] **Shandler A. Mason**, Sandeep Kuttal, “Analyzing Gender-Based Dynamics in Remote Pair Programming Interactions,” 6th Workshop on Gender Equality, Diversity, and Inclusion in Software Engineering at 47th International Conference on Software Engineering (ICSE), 2025.
- [3] Sandeep Kaur Kuttal, Jacob Hart, Marcus Ensley, **Shandler A. Mason**, “Pair Programming in the Lab vs. Wild: A Qualitative Analysis of Creativity Strategies and Dialogue Styles for Agent Training Data,” 27th International Conference on Human-Computer Interaction, HCI International (HCII), 2025.
- [4] **Shandler A. Mason**, Sanket Nain, Sandeep Kaur Kuttal, “Bridging Perspectives: Unveiling Racial Dynamics in Remote Pair Programming Communication,” 26th International Conference on Human-Computer Interaction, HCI International (HCII), 2024.
- [5] Jacob Hart, Jake AuBuchon, Alexander McAuliffe, **Shandler A. Mason**, Sandeep Kaur Kuttal, “Navigating NLU Challenges in Pair Programming Agents: A Study on Data Size, Gender, Language, & Domain Effects,” 26th International Conference on Human-Computer Interaction, HCI International (HCII), 2024.
- [6] **Shandler A. Mason**, Sandeep Kaur Kuttal, “Investigating Interracial Pair Coordination During Remote Pair Programming,” IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), 2023.

C. Oral Presentations

- [1] Shandler A. Mason, “Bridging Perspectives: Unveiling Racial Dynamics in Remote Pair Programming Communication,” HCI International (HCII), Washington, DC, June 2024.
- [2] Shandler A. Mason, “Navigating NLU Challenges in Pair Programming Agents: A Study on Data Size, Gender, Language, & Domain Effects,” HCI International (HCII), Washington, DC, June 2024.
- [3] Shandler A. Mason, “Diversity's Double-Edged Sword: Analyzing Race's Effect on Remote Pair Programming Interactions,” Written Preliminary Examination, Raleigh, NC, January 2024.
- [4] Shandler A. Mason, “Investigating Interracial Pair Coordination During Remote Pair Programming,” Showpieces and Posters Track at IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), Washington, DC, October 2023.

D. Workshop Organizer

- [1] **Shandler A. Mason**, Sandeep Kuttal, “Designing for Inclusivity - Advancing User Experience Through Inclusive Design Methodologies,” 27th International Conference on Human-Computer Interaction, HCI International (HCII), Gothenburg, Sweden, June 2025.

E. In Press

- [1] Timothy Menzies, Rohit Geddam, Arun Kumar Ramesh, Kiron Jayesh, Sai Krishna Teja Varma, **Shandler Mason**, “Making the Pitch!” NCSU CSC News, 2022.
(<https://www.csc.ncsu.edu/news/2498>)

[2] Milena Correa, Stephanie Lu, Jenna Kim, Natalie Erjavec, Rohan Shaiva and **Shandler Mason**, “Design, Prototype, Zoom: How New York Times Interns Built a Game Remotely,” New York Times (NYT) Open, 2020. ([Design, Prototype, Zoom: How New York Times Interns Built a Game Remotely](#))

F. Mentorship

- Hank Lenham, NCSU REU, Summer 2024, Fall 2024
- Brennen Farrell, NCSU REU, Spring 2024
- Sanket Nain, NCSU REU, Fall 2023, Spring 2024
- Raphael Phillips, Summer 2023
- Natalie Meuser, NCSU REU, Summer 2023
- Senior Project Design Team, NCSU Computer Science, Fall 2023

G. Research Assistantship

- Graduate Research Assistant (RA), Human Factors + Experience Engineering Lab, Fall 2023, Spring 2024, Fall 2024

Internships

- The Aerospace Corporation, Graduate Intern III, Summer 2025
- The Aerospace Corporation, Graduate Intern I I, Summer 2024
- The Aerospace Corporation, Graduate Intern I and National Space Intern, Summer 2023
- The Aerospace Corporation, Graduate Intern BS, Summer 2022
- Target Corporation, Software Engineering Intern, Summer 2021
- The New York Times, Software Engineering Intern, Summer 2020
- Facebook, Facebook University Engineering, Summer 2019

Service & Teaching

H. International Research Community Activities

[1] Publicity and Social Media Chair in Organizing Committee for IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), Raleigh, NC, 2024-25.

I. University Activities

[1] Graduate Liaison for Code Black, NCSU, Raleigh, NC, 2025.

J. Teaching

[1] Teaching Assistant (TA), CSC 454/554 Human-Computer Interaction, NCSU Computer Science, Spring 2025, (120 students)