Noelle Brown

noelle.brown@utah.edu
noelleb.com

EMPLOYMENT

University of Utah

2024 - present	Assistant Professor, Lecturer
	Kahlert School of Computing

EDUCATION

2021 - 2024	**Ph.D. Computing**
	University of Utah
	Advisor: Eliane S. Wiese
2017 - 2019	**M.S. Data Science**
	Southern Methodist University
	Advisor: Jake Drew
2011 - 2015	**B.S. Mathematics**
	Colorado State University
	Cum Laude

TEACHING

Fa2025	**Instructor**, Introduction to Computer Programming (U of Utah)
	Instructor, Senior Capstone Design (U of Utah)
	Instructor, Computer Science Education Seminar (U of Utah)
Su2025	**Instructor**, CS Internship (U of Utah)
Sp2025	**Instructor**, Introduction to Computer Programming (U of Utah)
	Instructor, Ethics in Computing (U of Utah)
Fa2024	**Instructor**, Introduction to Computer Programming (U of Utah)

Sp2024	**Guest Lecturer**, Introduction to Computer Programming (U of Utah)
Fa2023	**Guest Lecturer**, Ethics in Data Science (U of Utah)
Fa2022	**Guest Lecturer** (3 lectures), Designing Human-Centered Experiences (U of Utah)
	Teaching Mentor, Designing Human-Centered Experiences (U of Utah)
2020 - 2021	**Instructor**, Data Science (Coding Dojo)
2019 - 2020	**Instructor**, Data Science (General Assembly)
2018	**Teaching Assistant**, Doing Data Science (SMU)
2015 - 2018	**Instructor**, 7th Grade Mathematics & Algebra I (Lesher Middle School)
2012	**Instructor**, Honors Program First Year Seminar (CSU)

PUBLICATIONS

* Indicates student mentee

Journal Articles (peer-reviewed, archival)

2025   **Noelle Brown**, Sara Nurollahian and Eliane S. Wiese. 2025. Evaluating Micro-Insertion as a Method for Teaching Responsible Computing: Results from a Randomized Controlled Experiment. *ACM Trans. Comput. Educ.* 25(1). https://doi.org/10.1145/3719017.

2024   **Noelle Brown**, Benjamin Xie, Ella Sarder, Casey Fiesler, and Eliane S. Wiese. 2024. Teaching Ethics in Computing: A Systematic Literature Review of ACM Computer Science Education Publications. *ACM Trans. Comput. Educ.* 24(1). https://doi.org/10.1145/3634685. Presented at SIGCSE 2025.

Conference Proceedings (peer-reviewed, archival)

2024   Tamanna Motahar, **Noelle Brown**, Eliane S. Wiese, and Jason Wiese. 2024. Toward Building Design Empathy for People with Disabilities Using Social Media Data: A New Approach for Novice Designers. In *Proceedings of the ACM Conference on Designing Interactive Systems (DIS 2024), July 1–5, 2024, Copenhagen, DK.* ACM, New York, NY, USA. Honorable Mention Award.

       Sara Nurollahian, Anna N. Rafferty, **Noelle Brown**, and Eliane S. Wiese. 2024. Growth in Knowledge of Programming Patterns: A Comparison Study of CS1 vs. CS2 Students. In *Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 1 (SIGCSE 2024), March 20–23, 2024, Portland, OR, USA.* ACM, New York, NY, USA, 7 pages.

2023   **Noelle Brown**, Koriann South*, Suresh Venkatasubramanian, and Eliane S. Wiese. 2023. Designing Ethically-Integrated Assignments: It's Harder Than it Looks. In *Proceedings of the 2023 ACM Conference on International Computing Education Research V.1 (ICER '23 V1), August 7–11, 2023, Chicago, IL, USA.* ACM,

NewYork, NY, USA, 14 pages. https://doi.org/10.1145/3568813.3600126. Presented at ICER 2023.

2022 **Noelle Brown**, Koriann South*, and Eliane S. Wiese. 2022. The Shortest Path to Ethics in AI: An Integrated Assignment Where Human Concerns Guide Technical Decisions. In *Proceedings of the 2022 ACM Conference on International Computing Education Research V.1 (ICER 2022), August 7–10, 2022, Lugano and Virtual Event, Switzerland.* ACM, New York, NY, USA, 12 pages. https://doi.org/10.1145/3501385.3543978. Presented at ICER 2022.

Workshops (peer-reviewed, archival)

2023 **Noelle Brown**, Nidhi Patel, Xavier Davis, and Eliane S. Wiese. 2023. Students' Self-Evaluations of Contextual Inquiry Techniques. In *EduCHI 2023: 5th Annual Symposium on HCI Education (EduCHI '23), April 28, 2023, Hamburg, Germany.* ACM, New York, NY, USA, 5 pages. https://doi.org/10.1145/3587399.3587411. Presented at EduCHI 2023.

Tamanna Motahar, **Noelle Brown**, Eliane S. Wiese, and Jason Wiese. 2023. Building "Design Empathy" for People with Disabilities: an Unsolved Challenge in HCI Education. In *EduCHI 2023: 5th Annual Symposium on HCI Education (EduCHI '23), April 28, 2023, Hamburg, Germany.* ACM, New York, NY, USA, 4 pages. https://doi.org/10.1145/3587399.3587409.

Workshops (peer-reviewed, non-archival)

2023 Tamanna Motahar, **Noelle Brown**, Eliane S. Wiese, and Jason Wiese. 2023. Building "Design Empathy" among HCI Students for People with Disabilities. In *ASSETS 2023 Workshop: A11yFutures: Envisioning the Future of Accessibility Research* [Virtual].

Short Conference Publications (peer-reviewed, published in proceedings as abstracts)

2024 **Noelle Brown**. 2024. Ethics vs. Abstraction: Comparing Learning Outcomes from Ethics-Integrated and Technical-Only Instruction. In *Proceedings of the 55th ACM Technical Symposium on Computer Science Education V. 2 (SIGCSE 2024), March 20–23, 2024, Portland, OR, USA.* ACM, New York, NY, USA, 3 pages. https://doi.org/10.1145/3626253.3635393. Presented at SIGCSE 2024.

HONORS & AWARDS

2025   **Cultural Competence in Computing (3C) Fellow**
Duke University

Outstanding Dissertation Award Nomination, Price College of Engineering
University of Utah

2021 - 2024   **ARCS Utah Scholar**, ARCS Foundation

2024   **Conference Travel Grant, SIGCSE**
Association for Computing Machinery

2023   **Conference Travel Grant, Embedded Ethics**
Stanford Institute for Human-Centered AI

2020   **Distinguished Faculty**, General Assembly

2013 - 2015   **Robert Noyce Scholar**, Colorado State University

2011 - 2015   **University Honors Scholar**, Colorado State University

INVITED TALKS

2024   **Summer Training Program on Responsible Computing Education, Northeastern University**
July 2024

Summer Training Program to Expand the AI and Data Ethics Research Community, Northeastern University
July 2024

ARCS Utah April Meeting, ARCS Foundation
April 2024, "Designing and Evaluating an Integrated Approach for Teaching Ethics in Computing"

2023   **Bias, Ethics & Trustworthiness in Data Science and AI, University of Utah**
September 2023, "Teaching Ethics in Computing Courses"

Embedded Ethics Conference, Stanford University
March 2023, "How are we Teaching Ethics?"

PROFESSIONAL ACTIVITIES

2025 - 2026   **Committee Member**, Curriculum Committee (U of Utah)

2024 - 2025   **Committee Member**, Curriculum Committee (U of Utah)

   Committee Member, K-12 Outreach Committee (U of Utah)

2023 - 2024   **Committee Member**, College of Engineering Equity, Diversity, and Inclusion Graduate Student Committee (U of Utah)

   Committee Member, Graduate Student Advisory Committee (U of Utah)

2022 - 2023   **New Student Facilitator**, Graduate Student Advisory Committee (U of Utah)

2021 - 2022   **President**, Graduate Student Advisory Committee (U of Utah)

Professional Societies

Member, Association of Computing Machinery

Reviewing

2023 - 2026   SIGCSE

2025   ICER

2024   CHI

   CSCW

   DIS

2023   EduCHI

   ACM Inroads

STUDENT MENTORSHIP

Undergraduate

2025   Markeya Gu (Undergraduate Thesis)

2022 - 2023   Kelly Wu

2022   John Bovard

2021 - 2022   Koriann South

Graduate (Master's)

2023   Sweta Ukey

PRESS

2023   Fall 2023. Computer Magazine. "Student Spotlight."
(https://www.cs.utah.edu/wp-content/uploads/2024/01/COMPUTE-Fall-2023.pdf)

Aug. 10. Amy J. Ko, Bits and Behavior. "ICER 2023 trip report."
(https://medium.com/bits-and-behavior/icer-2023-trip-report-57f634248d06)

Spring 2023. Compute Magazine. "Student News."
(https://www.cs.utah.edu/wp-content/uploads/2023/05/COMPUTE-Spring-23.pdf)

Mar. 27. University of Utah's Kahlert School of Computing. "Kahlert School Ph.D. Student Noelle Brown Presents Work on Ethics & Technology at the Embedded Ethics conference."
(https://www.cs.utah.edu/kahlert-school-ph-d-student-noelle-brown-presents-work-on-ethics-technology-at-the-embedded-ethics-conference/)

Feb. 14. ARCS Foundation. "Integrating Ethics in Computing Research Leads to Prestigious Switzerland Conference."
(https://www.arcsfoundation.org/news/integrating-ethics-computing-research-leads-prestigious-switzerland-conference)

2022   Aug. 11. Amy J. Ko, Bits and Behavior. "ICER 2022 trip report: Together again, as bits and atoms."
(https://medium.com/bits-and-behavior/icer-2022-trip-report-together-again-as-bits-and-atoms-7ccf0440d1ec)

Jan. 11. ARCS Foundation. "Helpful or Harmful? Walking the Fine Line of Creating Artificial Intelligence."
(https://arcsfoundation.org/news/helpful-or-harmful-walking-fine-line-creating-artificial-intelligence)