Joseph Teahen, Curriculum Vitae

Graduate Student, Michigan Technological University

jrteahen@mtu.edu https://cs.mtu.edu/~jrteahen/

Education

PhD, Michigan Technological University, Computer Science

August 2025 – Present; Expected Graduation: May 2027.

MS, Michigan Technological University, Computer Science

August 2023 – August 2025

- GPA: 4.0
- Thesis: Examining student and faculty perspectives on hidden curriculum in computing education .
- This master's degree was accomplished while pursuing my PhD, their dates are presented separately for clarity.

BS, Michigan Technological University, Computer Science

August 2019 – May 2023

- GPA: 4.0
- Minor in statistics
- Dean's list all four years
- Summa cum laude

Publications

Theses

Teahen, J. R. (2025). *Examining student and faculty perspectives on hidden curriculum in computing education* (Publication) [Master's Thesis, Michigan Technological University]. https://doi.org/10.37099/mtu.dc.etdr/1962

Journal Articles (Peer-Reviewed)

Jarvie-Eggart, M., **Teahen, J. R.**, Masker, D. T., Padilla, J., Ureel II, L. C., Brown, L. E., Pomerville, S., & Sticken, J. (2026). Jiving with llms: Assessing first year students' computer programming self efficacy after reading code with llms. *Journal of Teaching and Learning with Technology*, *14*(1). https://doi.org/10.14434/jotlt.v14i1.41701

Conference Papers (Peer-Reviewed)

Teahen, J. R., Bettin, B., & Ureel, L. C. (2026). Describing hidden curriculum in an undergraduate computing context. *Proceedings of the 2026 Conference on Research on Equity and Sustained Participation in Engineering, Computing, and Technology, Respect 2026*, 373–381. https://doi.org/10.1145/3796496.3811774

Bettin, B., **Teahen, J.**, Gatti, I., Llanas, A., Garnett, T., Perr, T., Ureel, L. C., & Brown, L. E. (2025). Legends and maps: Efforts to reveal hidden curricula knowledge within our institution and its computing courses. *Proceedings of the 2025 Conference on Research on Equitable and Sustained Participation in Engineering, Computing, and Technology, Respect 2025*, 254–261. https://doi.org/10.1145/3704637.3734785

Teahen, J. R., Masker, D. T., Ureel, L. C., Eggart, M. J.-., Sticklen, J., & Brown, L. E. (2023). Extending the usability of webta with unified asts and errors. *2023 Ieee Frontiers in Education Conference (Fie)*, 1–5. https://doi.org/10.1109/fie58773.2023.10343512

Posters

Teahen, J. R. (2025). Examining student and faculty perspectives on hidden curriculum in computing education. *Proceedings of the 2025 Conference on Research on Equitable and Sustained Participation in Engineering, Computing, and Technology, Respect 2025*, 377–378. https://doi.org/10.1145/3704637.3734744

Teahen, J., Masker, D., Ureel, L., Brown, L., Jarvie-Eggart, M., & Sticklen, J. (2024). Board 348: Poster - unified regular expression antipattern language (ureal). *2024 Asee Annual Conference &Amp; Exposition Proceedings*. https://doi.org/10.18260/1-2-46930

Ureel, L., Brown, L., Jarvie-Eggart, M., Sticklen, J., Albrant, L., Benjamin, M., Masker, D., Pendse, P., & **Teahen, J.** (2024). Board 234: Current progress of providing rich immediate critique of anti-patterns in student code. *2024 Asee Annual Conference &Amp; Exposition Proceedings*. https://doi.org/10.18260/1-2-46804

Presentations and Conference Involvement

RESPECT 2026, Chicago, Illinois

July 2026

Presented Describing hidden curriculum in an undergraduate computing context at the RESPECT 2026 conference. This was a solo presentation about the conference paper.

Computer Science Department Research Day Lighting Talks

March 2026

Presented work related to my thesis and ongoing work on my dissertation at Michigan Technological University's computer science department's research day as a lighting talk.

Alumni Reunion Poster Session, Michigan Technological University

August 2025

Presented work on my thesis **Teahen, J. R.** (2025). *Examining student and faculty perspectives on hidden curriculum in computing education* (Publication) [Master's Thesis, Michigan Technological University]. https://doi.org/10.37099/mtu.dc.etdr/1962 during the Michigan Technological University Alumni Reunion Poster Session.

Doctoral Consortium, RESPECT 2025, Newark, New Jersey

July 2025

Took part in the first doctoral consortium at the RESPECT 2025 conference. As part of my involvement in the doctoral consortium, I produced an abstract, which was presented as a poster during the conference. The abstract described the work I was doing on my thesis, and the feedback informed it **Teahen, J. R.** (2025). *Examining student and faculty perspectives on hidden curriculum in computing education* (Publication) [Master's Thesis, Michigan Technological University]. https://doi.org/10.37099/mtu.dc.etdr/1962.

RESPECT 2025, Newark, New Jersey

July 2025

Presented Legends and maps: Efforts to reveal hidden curricula knowledge within our institution and its computing courses at the RESPECT 2025 conference. This was a group presentation about the conference paper.

Code Critics at Computing[MTU] Showcase, Michigan Technological University

October 2022

Presented work related to code critics at Michigan Technological University's computing showcase.

FIE 2023, College Station, Texas

October 2023

Presented Extending the usability of webta with unified asts and errors at the FIE 2023 conference. This was a dual presentation with the first two authors about the conference paper.

Research Groups/Labs

CS-ERG

April 2021 – Present; Website: `https://cserg.cs.mtu.edu/index.html`

The Computer Science Education Research Group (CS-ERG) investigates how people learn computer science, with a focus on intelligent learning environments, code critique, mental models, visual/no-code programming, and the design of AI-based educational tools.

As part of the CS-ERG, I mentored undergraduate students, leading a group that primarily focused on my work related to hidden curriculum and helped with the design, direction, and presentation of many research projects that span a wide range of interests across educational tools and software. This included weekly meetings where we would discuss various aspects of our research and help undergraduate students complete research objectives.

SPINEL

April 2025 – Present; Website: `https://spinel.mtu.edu`

Sociotechnical Pathways: Imagining Nurturing, Empowering Landscapes (SPINEL). We are committed to groundbreaking, interdisciplinary approaches that reinvent learning in our digital society through a multifaceted lens, focused on humans.

As part of the SPINEL lab, I mentored undergraduate students working on the College of Computing Resource Hub, an online resource for students to learn about and address hidden curriculum. This involved a weekly meeting across all groups in the SPINEL lab where we collaborated across teams and subgroup meetings related to specific projects. I took the lead on a subgroup where I organized several undergraduate students working on accessibility, hidden curriculum, and the College of Computing Resource Hub.

Teaching

CS 1122, Introduction to Programming II, Michigan Technological University

Summer 2026 Track A: 4 Students

Full instructor. Due to the small size I did not have a grader or GTA. Was a completely asynchronous online course.

CS 1122, Introduction to Programming II, Michigan Technological University

Spring 2026: 67 Students

Full instructor, oversaw one GTA.

CS 1122, Introduction to Programming II, Michigan Technological University

Fall 2025: 79 Students

Full instructor, oversaw one GTA.

CS 1131, Accelerated Intro to Programming, Michigan Technological University

Fall 2024: 78 Students

Graduate teaching assistant, grader, and lab instructor.

CS 1131, Accelerated Intro to Programming, Michigan Technological University

Fall 2023: 87 Students

Graduate teaching assistant, grader, and lab instructor.

Service

Reviewer RESPECT 2026

March 2026

Served as a reviewer for the RESPECT 2026 conference.

College of Computing Learning Center Manage

August 2023 – Present

Worked as a volunteer manager of a near-peer mentoring center for undergraduate students struggling with computing-based courses at Michigan Technological University. This involved organizing the learning center schedules, developing training materials to instruct near-peer mentors, training learning center coaches on proper teaching techniques and practices (as well as campus and learning center policy), and helping run weekly meetings where we addressed coach questions and advised on difficult situations.

This role was completely voluntary, aimed at making sure the College of Computing Learning Center could offer the most benefit for students struggling with computing-related courses and to help learning center coaches feel supported and empowered in their positions. My work with the College of Computing Learning Center was an incredibly important aspect of my time in graduate school.

Awards

Outstanding Graduate Student Teaching Award

April 2024

An award for excellence in teaching as a graduate student earned while at Michigan Technological University.