

MEGAN ENGLERT

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EDUCATION

University of Colorado Boulder

Ph.D. Student in Information Science

Advisor: Dr. Lecia Barker

Boulder, CO

August 2023 - *Expected 2028*

University of Delaware

Honors B.S. with Distinction in Computer Science (*Data Science Concentration*)

Newark, DE

2019 - 2023

Thesis: Building Curricular Supports Through Undergraduate Teaching Assistants to Scale Individualized Instruction in CS1; First Reader/Advisor: Dr. Austin Cory Bart; Second Reader: Dr. Lori Pollock

Honors B.A. in Art History

PUBLICATIONS

- [9] **Megan Englert**. 2026. Syllabusly: A Tool to Improve Your Introductory CS Syllabus for Students' Self-Efficacy and Motivation. In *Proceedings of the 57th ACM Technical Symposium on Computer Science Education V.2 (SIGCSE TS 2026)*, February 18–21, 2026, St. Louis, MO, USA. ACM, New York, NY, USA, 2 pages. <https://doi.org/10.1145/3770761.3777232>
- [8] Mayce Miller, Noah Cowit, **Megan Englert**, and Lecia Barker. 2026. How In-Class Experiences Shape First-Year CS Women's Out-of-Class Belonging, Community, and Self-Efficacy. In *Proceedings of the 57th ACM Technical Symposium on Computer Science Education V. 2 (SIGCSE 2026)*. Association for Computing Machinery, New York, NY, USA, 2 pages. <https://doi.org/10.1145/3770761.3777180>
- [7] **Megan Englert**, Mayce Miller, and Lecia Barker. 2025. Why Do Students Leave Your CS Program? A Free Evidence-Based Survey to Identify Causes of Attrition in Your Department. In *Proceedings of the 30th ACM Conference on Innovation and Technology in Computer Science Education V. 1 (ITiCSE 2025)*. Association for Computing Machinery, New York, NY, USA, 93–99. <https://doi-org.colorado.idm.oclc.org/10.1145/3724363.3729122>
- [6] **Megan Englert**. 2025. Grading for Self-Efficacy in Introductory Computer Science. In *Proceedings of the 30th ACM Conference on Innovation and Technology in Computer Science Education V. 2 (ITiCSE 2025)*. Association for Computing Machinery, New York, NY, USA, 814–815. <https://doi-org.colorado.idm.oclc.org/10.1145/3724389.3731297>
- [5] Teomara Rutherford, Hye Rin Lee, Austin Cory Bart, Andrew Rodrigues, and **Megan Englert**. 2024. How Self-Beliefs, Values, and Belonging Change and Relate with Performance During Introductory Computer Science. In *Computer Science Education*. 1-37. <https://doi.org/10.1080/08993408.2024.2429058>
- [4] Austin Cory Bart, **Megan Englert**, John Aromando, Hye Rin Lee, and Teomara Rutherford. 2024. The CS1 Python Bakery: A Modern "Batteries Included" Open-Source Curriculum with All the Fixings. In *Proceedings of the 2024 on Innovation and Technology in Computer Science Education V. 1 (ITiCSE 2024)*. Association for Computing Machinery, New York, NY, USA, 667–673. <https://doi.org/10.1145/3649217.3653630>
- [3] **Megan Englert**, Lecia Barker, and Austin Cory Bart. 2024. Hiring, Training, and Managing Undergraduate Teaching Assistants for Large CS1 Classes. In *Proceedings of the 55th ACM Technical Symposium on*

[2] **Megan Englert**. 2023. *Building Curricular Supports Through Undergraduate Teaching Assistants to Scale Individualized Instruction in CS1*. Honors senior thesis. University of Delaware, Newark, DE.

[1] **Megan Englert**. 2023. Building Curricular Supports Through Undergraduate Teaching Assistants to Scale Individualized Instruction in CS1. In *Proceedings of the 54th ACM Technical Symposium on Computer Science Education V. 2 (SIGCSE 2023)*. Association for Computing Machinery, New York, NY, USA, 1230. <https://doi.org/10.1145/3545947.3573275>

AWARDS

Graduate Service and Community Leadership Award, *CU Boulder Information Science Dept* 2026

First Place, *Undergraduate ACM Student Research Competition at SIGCSE 2023* 2023

Lauri Pfeffer Shinn Memorial Award, *UD Computer & Information Sciences Dept* 2023

Sponsors: James K. DeChene & Friends of Lauri Pfeffer Shinn

Recognizes Women CIS Student(s) for Contributions to the CIS Department and/or Academic Success

YouDee Award for Outstanding Philanthropy Event, *University of Delaware* 2022

Awarded to the Harrington Theatre Arts Company for the “Philanthropy Yard Sale” planned by Spring 2022 Philanthropy Chair (Megan Englert) to raise money for the Choir School of Delaware (Wilmington, DE).

Matthew Rosin Memorial Award, *University of Delaware Honors College* 2021

This annual award recognizes superior dedication to the Honors community and the University by an Honors Community Fellow. The recipient of this award should demonstrate the unique combination of qualities and commitments for which Matt Rosin is remembered: Have a positive outlook that inspires others in the Honors community; Create an inclusive environment that encourages others to get involved; Demonstrate a commitment to UD student life by being involved in organizations that serve the entire student body; Display curiosity and a passion for learning that touches a variety of intellectual pursuits and interests

National AP Scholar Award, *College Board* 2019

This award recognizes exemplary college-level achievement, for attaining an average score of at least 4 on all AP Exams taken, and score of 4 or higher on eight or more AP exams.

SCHOLARSHIPS & FELLOWSHIPS

Lead Fellow, *University of Colorado Boulder, Center for Teaching and Learning* AY 2026-2027

Scholarship to Attend Institute on Teaching and Mentoring 2025, *University of Colorado Boulder CMDI* 2025

University of Colorado Boulder’s College of Communication, Media, Design, and Information offered full financial support to one graduate student per department to attend the Southern Regional Education Board’s annual Institute on Teaching and Mentoring conference.

Graduate School University Fellows Scholarship, *University of Colorado Boulder* 2024 & 2025

Summer Scholar, *University of Delaware Undergraduate Research Program* 2021 & 2022

- Summer 2022 - Creating and implementing TA hiring and training practices for CS1, advised by Dr. Austin Cory Bart, Computer & Information Sciences Department
- Summer 2021 - Quantum nonlocal games on graphs, advised by Dr. Ivan Todorov, Mathematics Department

Telkes Scholar, University of Delaware

2019

Telkes Scholars are selected for their *potential for research, innovation, and discovery*. These scholars are named in honor of Maria Telkes, a University of Delaware scientist known as the “Sun Queen” for her pioneering solar energy research. They receive \$32,000 (out-of-state students) for each of their four years of study.

TEACHING EXPERIENCE

University of Colorado Boulder

Boulder, CO

Teaching Assistant

Fall 2023 - *Present*

- Spring 2026 - INFO 1111 *Introduction to Information Science*, Prof. Ilana Trumble
- Fall 2025 & Fall 2024 - INFO 1111 *Introduction to Information Science*, Prof. Jed Brubaker
- Spring 2025 - INFO 1121 *Designing Interactions*, Prof. Laura Devendorf
- Spring 2024 - INFO 2201 *Introduction to Programming for Information Science II*, Prof. Jason Zietz
- Fall 2023 - INFO 1701 *Introduction to Programming for Information Science I*, Prof. Jason Zietz

Grader - INFO 4603/5603 Survey Research Design

Fall 2025

- Graded undergraduate and graduate coursework.
- Designed and delivered guest lectures about prior experiences in the class.
- Offered undergraduate groups guidance on their projects.

Graduate Instructor - INFO 1701 Programming for Information Science I

Summer 2025 & Summer 2024

- Taught 4-credit, synchronous, remote programming course over an eight week session.
- Designed slides and activities based on the *Python Bakery* curriculum (Bart 2024), making adaptations as needed to support the online format, compressed timeline, and information science focus of INFO 1701.
- Created new projects and assessments
- Course content used Python and Jupyter Notebooks to teach programming concepts such as variables, functions, conditionals, iteration, dictionaries, dataclasses, and more.

University of Delaware

Newark, DE

Head Teaching Assistant - CISC 108 Introduction to Computer Science I

June 2022 - May 2023

- Redesigned and implemented the TA hiring process for CISC 108 for the 2022-2023 school year.
- Created the UD CIS Department’s first “TA training program,” consisting of three asynchronous Canvas modules that cover tools (e.g. grading on Canvas), some basic pedagogy (e.g. using the Socratic method while assisting a student), as well as general tips and advice.
- Attended all class sessions to provide additional support or to lead lecture/lab in the event of an absent instructor or TA.

Undergraduate Teaching Assistant

August 2020 - May 2022

- Spring 2022 - CISC 275 *Introduction to Software Engineering*, Prof. Austin Cory Bart
- Fall 2021 - CISC 181 *Introduction to Computer Science II*, Prof. Bert Gibbons
- Fall 2020 & Spring 2021 - CISC 108 *Introduction to Computer Science I*, Prof. Austin Cory Bart

TALKS & GUEST LECTURES

Megan Englert, “Why Do Students Leave CS?: Survey Research in Action”

March 2026

Spoke to INFO 1111 Introduction to Information Science (~30 students) about my published survey research project, showing how it mirrored the steps they had completed in the class’s survey research project. Covered topics such as prior work, research design process, Qualtrics, challenges, and limitations.

Megan Englert, “Introduction to Survey Research”

February 2026

Spoke to INFO 1111 Introduction to Information Science (~30 students) about the basics of survey research design, covering determination of constructs, operationalization of constructs, design of survey items, and best practices.

- Casey Fiesler, **Megan Englert**, Trinity Bryant, and Natalie Canfield, November 2025
 “Panel: Disability in Academia”
 Spoke as part of a panel on disability in academia during the weekly CU Information Science department seminar session (~30 attendees) about my personal experiences navigating my disabilities as a student, researcher, and teacher.
- Megan Englert**, “Survey Analysis & Tableau” October 2025
 Independently taught a week of lectures for INFO 1111 (~120 students) during the professor’s conference travel. Covered topics such as survey analysis plans and how to use Tableau.
- Megan Englert**, “Why Do Students Leave CS?: From Class Project to Publication” September 2025
 Spoke to INFO 4603/5603 Survey Research Design (~30 students) students about how my class project from a previous year of the class became a published paper.
- Megan Englert**, “Lightning Talk: The Socratic Method of Tutoring” January 2025
 Spoke as part of the CU Information Science department seminar session for pedagogy lightning talks (~40 attendees), explaining this teaching technique to fellow graduate students and professors in less than five minutes.
- Megan Englert** “Getting Dangerous: How Programming Will Be Useful for You” September 2024
 Spoke to INFO 1201 Computational Reasoning (~80 students), who are mostly majoring in communication, media studies, advertising, and other similar programs, about the benefits of learning enough about programming to “get dangerous.”

ACADEMIC SERVICE

Reviewer - Research Papers | RESPECT 2025 (2 papers)

- Student Representative** | Information Science Graduate Committee at CU Boulder AY 2025-2026
- Attended all bi-weekly faculty Graduate Committee meetings.
 - Advocated for the concerns of Information Science PhD, MS, and BAM students.

- President** | Information Science Graduate Student Association at CU Boulder AY 2025-2026
- Coordinated and ran monthly INFO GSA Board meetings.
 - Created and sent monthly GSA newsletters with updates on department events.
 - Started initiatives such as creating office name tags, collecting MS and PhD milestones, running anonymous department feedback surveys, and more.
 - Liaised between graduate students and faculty members on issues surrounding the department experience.

- Student Representative** | Information Science PhD Admissions at CU Boulder January 2026
- Completed university-mandated FERPA training.
 - Reviewed PhD applications for desk rejects using holistic admissions practices.

Reviewer | Transactions on Computing Education (1 paper)

Reviewer - Position Papers & Proposals | ITiCSE 2025 (3 papers + emergency review)

Reviewer - Experience Reports & Tools | SIGCSE Technical Symposium 2025 (4 papers)

Volunteer - 100+ Hours | Zooniverse Citizen Science Projects

Reviewer - Papers | SIGCSE Virtual 2024 (4 papers)

Reviewer - Lightning Talks | SIGCSE Technical Symposium 2024 (5 extended abstracts)

Student Representative | UD College of Engineering Educational Activities Committee AY 2022-2023

- Represented the Computer and Information Sciences Department at bi-weekly meetings of the University of Delaware College of Engineering Educational Activities Committee.
- Communicated the needs and interests of students enrolled in the Computer Science major.

Student Volunteer | SIGCSE Technical Symposium 2022