

JULE SCHATZ

(you-la shots) ◇ She/Her/Hers

EDUCATION

University of Michigan, Ann Arbor, Michigan USA

B.S.E., Computer Science Engineering, Minor in Art and Design, 2018

M.S.E., Computer Science, 2020

Ph.D., Computer Science, 2023

AWARDS

Towner Prize Teaching Award, 2022

This award honors engineering GSIs who have demonstrated innovation and excellence in teaching, especially during the COVID-19 pandemic.

Best Poster at University of Michigan DEI Mini-Conference, 2022

Poster Title: Creating a Community-Focused Lab Section in a Large Computer Science Course

Willie Hobbs Moore Aspire, Advance, and Achieve Mentoring Award, 2021

This award honors faculty, staff, and students who demonstrate excellence promoting equity in science, technology, engineering, and math.

Graduate Student Instructor Academic Year Award, 2021

This award recognizes the excellence of our student teachers and are based on anonymous student evaluations and faculty input.

National Science Foundation Graduate Research Fellowship, 2020-2025

TEACHING INTERESTS

Core computer science introductory curricula, artificial intelligence

TEACHING EXPERIENCE

EECS 280, Programming and Intro Data Structures

Primary Instructor

University of Michigan

Spring 2022

- Taught approximately 140 students introductory programming concepts through lectures, labs, and projects.
- *Overall, Jule Schatz was an excellent teacher: 4.49/5.0*
- Average rating for women professors in the department 4.07/5.0

EECS 183, Elementary Programming Concepts

Graduate Student Instructor (GSI)

University of Michigan

Fall 2020, Winter 2021

- Designed, created, and taught two new lab sections for students who face barriers due to systemic inequities, such as first generation college students and minoritized students.
- *Overall, Jule Schatz was an excellent teacher: 4.95/5.0*
- Average rating for women GSIs in the department 4.35/5.0

EECS 285, Introduction to Java

Graduate Student Instructor (GSI)

University of Michigan

Fall 2018

- Held office hours to help students master the material.

EECS 492, Introduction to Artificial Intelligence*Undergraduate Instructional Assistant(IA)*

University of Michigan

Fall 2017, Winter 2018

- Held office hours, ran a lab section of 30 students, and helped create and grade projects.

EECS 280, Programming and Intro Data Structures*Undergraduate Instructional Assistant(IA)*

University of Michigan

Winter 2016, Fall 2016, Winter 2017, Spring 2018

- Held office hours, ran a lab section of 30 students, and helped write exams.

OUTREACH

AI4ALL*Instructor*

University of Michigan

July 2019, July 2020, July 2021

- AI4ALL is a summer program for diverse high school students that teaches them how to program and implement Artificial Intelligence (AI).
- I created and taught two three-hour lessons on Python and k-means clustering.

High School Computer Science*Classroom Volunteer*

Hamtramck Public High School

Fall 2020, Winter 2021

- At Hamtramck High School 97.9% of students are eligible for free or reduced-cost lunch.
- I helped student learn computer science and encouraged them to pursue computer science.

ECSEL+*Social/Mentorship Chair*

University of Michigan

August 2018-August 2020

- ECSEL+ is a student organization to support women and other gender minorities pursuing graduate studies in computer science at the University of Michigan.
- I organized social events and developed a mentorship program for incoming ECSEL+ members.

RESEARCH INTERESTS

Computer Science Education

I am interested in researching how to make computer science and engineering a more equitable place for all students. This includes studying retention, sense of community, and learning outcomes.

General Artificial Intelligence

I am interested in researching how higher-level thinking works in the human mind and how that can be applied to computer systems.

PUBLICATIONS

Schatz, J., Jones, S. J., & Laird, J. E. (2022). Modeling the Remote Associates Test as Retrievals from Semantic Memory. *Cognitive Science*, 46(6), e13145

Schatz, J., Makki, Z., Kloosterman, J., Levesque, E., & Rypkema, H. (2022). Creating a Community-Focused Lab Section in a Large Computer Science Course (Experience), 2022 ASEE Annual Conference Exposition.

Schatz, J., Jones, S. J., & Laird, J. E. (2018). An Architecture Approach to Modeling the Remote Associates Test, Proceedings of the 16th International Conference on Cognitive Modelling (ICCM). Madison, WI.