# Amy Wei

(860) 414-4527, weia@umich.edu
Ann Arbor, MI 48109


## EDUCATION

**University of Michigan**, Ann Arbor, MI
*Bachelor of Science in Engineering in Computer Science; April 2026*
GPA: 4.00/4.00
Coursework: Data Structures and Algorithms, Programming and Intro Data Structures, Practical Data Science for Engineers, Applied Linear Algebra, Discrete Mathematics

## EXPERIENCE

*Grader for MATH 214, Tutor for EECS 183, Tutor for MATH 214* September 2023 - Present

- Graded homework assignments and projects for Applied Linear Algebra (MATH 214)
- Tutored weekly for Applied Linear Algebra (MATH 214) and Elementary Programming Concepts (EECS 183)

*Carnegie Mellon Research Experiences for Undergraduates in Software Engineering* May 2023 - August 2023

- Developed a testing tool for automatically testing TypeScript programs with a human-centered focus
- Performed heuristic evaluations of 6 software testing tools to assess usability
- Met regularly with faculty, presented in final poster session

*Diagnostic Intelligent Assistance for Global Health Research Team* January 2023 - Present

- Aided in developing deep learning image analysis tools for diagnosing bladder cancer, in order to improve access to care for low- and medium-income countries

*ENGR 100-320: Practical Data Science for Engineers* January 2023 - April 2023

- Created 3 machine learning classifiers that predict diseases from symptoms, with test accuracies of 93.4%, 93.2%, and 92.6% (K-Nearest Neighbors, Random Forest, and Neural Network)
- Collaborated with team members, presented findings in a technical final report and presentation

## SKILLS

C++, Python, MATLAB, TypeScript, Prolog, HTML

## ACTIVITIES

Society of Women Engineers September 2022 - Present

- Volunteered at Elementary Engineering Exploration Day to introduce young students to STEM
- Held a charity Fun Run in support of the University of Michigan Health C.S. Mott Children's Hospital

Campus Symphony Orchestra, 1st Chair Violin II September 2022 - Present

- Rehearsed weekly, performed regular concerts to spread the love of music and artistry

Women's Glee Club, Alto 1 September 2022 - April 2023

- Rehearsed twice weekly and performed regular concerts
- Collaborated with high school students on Vocal Arts Day to nurture their passion for the arts

## HONORS

Dean's Honor List 2022, 2023
University Honors 2022, 2023
William J. Branstrom Freshman Prize 2023