

Allison Okimoto

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Experience

Head Graduate Student Instructor of Projects - EECS 280: Programming and Intro Data Structures August 2023 - Present
University of Michigan College of Engineering, Ann Arbor, MI

- Managed all six semester project updates, EECS 280 GitHub repositories, and the EECS 280 Project Online Autograder.
- Taught a lab-style class and held office hours to assist 20-50 students in completing projects and exams per semester.
- Released project specifications and grades to all ~1,200+ EECS 280 students, while keeping staff guided through meetings.
- Led weekly staff engagement presentations and activities to support staff, onboarding, and community experience.

Small Business Owner May 2019 - Present
Stuck On Allison, New York, NY

- Top 5% of all active Etsy Sellers with a 5-star rating, having sold over 2,500 products online featuring created designs.
- Identified and vetted three overseas manufacturers for consistent and quality product manufacturing.
- Donated 25% of profits to pediatric cancer and blood disorder research.

Software Development Engineer Intern May 2025 - August 2025
Amazon, Tempe, AZ

- Designed and implemented a full-stack Java-based internal tool to reduce debugging time by several hours through capturing data flows in a production-safe environment, utilizing AWS and internal tools.
- Extended React UI tool to display data with graph visualization and expanded documentation for away-team adoption.
- Designed system with object-oriented programming for long-term extensibility and maintainability, delivered a technical design document and presentation for team design review.
- Collaborated with team members and participated in agile development through daily stand-ups and sprint planning.

Online Assessment Developer May 2024 - August 2024
University of Michigan College of Engineering, Ann Arbor, MI

- Revamped an exam online assessment tool to help students keep up with class lectures and prepare for exams.
- Developed an online question bank and assessment system to increase students' exam scores and overall grades.
- Surveyed current and past computer science course students to assess system's needs and requirements.
- Reworked archived exam questions to be compatible with the new assessment system.

Skills

Coding Languages: C/C++, Java, Python, JavaScript, SQL, HTML/CSS, MATLAB, C#

Projects: <https://allison-no.github.io/>

Education

Master of Science in Computer Science and Engineering August 2025 - May 2026
University of Michigan, Ann Arbor, MI
GPA: (New Student)
Relevant Coursework: **Advanced Compilers, Human Computer Interaction**

Bachelor of Science in Computer Science August 2022 - May 2025
University of Michigan, Ann Arbor, MI
GPA: 3.8/4.0
Relevant Coursework: **Software Engineering, User-Interface Design, Web Systems, Artificial Intelligence, Computer Game Design and Development, Data Structures and Algorithms, Computer Organization**

High School Diploma | Mathematics Concentration September 2018 - June 2022
High School for Math Science and Engineering at the City College of New York, New York, NY
GPA: 4.0/4.0

Volunteer Work

MIB Agents - Osteosarcoma Alliance June 2024 - Present

- Sent 40+ letters each month to children in treatment/remission for osteosarcoma and raised money for research.
- Attended FACTOR 2024 Osteosarcoma research conference to learn more about AI advancements in cancer diagnosis.

St. Michael's Episcopal Church, New York, NY April 2018 - August 2022

- Taught Sunday school to children ages three to nine years old and facilitated craft projects.