

Amy Wang

31 Glenwood Dr • Montville, NJ 07045
973-615-1348 • amycwang@umich.edu

EDUCATION

UNIVERSITY OF MICHIGAN

Ann Arbor, MI

Pursuing Bachelor of Science, Computer Science

May 2024

- **GPA:** 3.6/4.0
- **Related Coursework:** Data Structures & Algorithms, Intro to Computer Organization, Foundations of Computer Science, Discrete Math, Linear Algebra, Web Systems, User Interface Development, Calculus 2, Introduction to Statistics and Data Analysis, Principles of Economics I
- **Honors/Awards:** University Honors

MONTVILLE TOWNSHIP HIGH SCHOOL

Montville, NJ

May 2020

- **GPA:** 4.2/4.0
- **Honors/Awards:** AP Scholar, National Honors Society, Scholastic Art & Writing Award

EXPERIENCE

FORD MOTOR COMPANY

Remote

Software Engineering Intern

May 2022 – August 2022

- Developed a full stack web application that allows the workers of 30+ manufacturing plants in North America to efficiently solve problems that transpired on the plant floor through structured forms
- Used Angular Material, Spring Boot, MongoDB, and Jenkins
- Involved in Agile process for project implementation in a team setting

SKILLS

- Languages: C++, HTML, CSS, JavaScript, Typescript, Java, C, Python, R
- Technical: Microsoft Office Suite, Excel, Google Drive, Lightroom, and Photoshop
- Interests: Oil and acrylic painting, snowboarding, cooking

SELECTED PROJECTS

Gotta Catch 'em All! – University of Michigan

March 2022

- Used minimum spanning trees, a knapsack algorithm, and a traveling salesperson algorithm to find the minimum path to reach all Pokémon on a grid

Euchre Game – University of Michigan

October 2021

- Created my version of the classic Euchre game in C++ using abstract data types, object-oriented programming, and polymorphism

Seam Carving Image – University of Michigan

November 2021

- Wrote a program to seam carve image, resizing the image with content awareness
- Successfully changes aspect ratio without distorting image

Sudoku Solver - Personal

August 2021

- Implemented a program that solves Sudoku puzzles in C++
- Successfully tested on 20+ puzzles with various difficulties

Personal Website - Personal

June 2021

- Designed a website with HTML/CSS to showcase my skills and interests
- <https://amyclair.github.io/>

LEADERSHIP & EXTRACURRICULARS

gEECS Girls in Electrical Engineering and Computer Science, University of Michigan

2020 – present

Public Relations Officer

- Designed flyer/visuals, managed communication, and ran social media that consistently increased attendance by ~20%
- Networked with professionals and learned about different sectors of computer science such as human perception AI

DSC Developer Student Club, University of Michigan

2020 – present

- Attended sessions and learned from various speakers from the tech world

MARS Michigan Animal Respect Society, University of Michigan

2020 – present

- Managed a table at the Ann Arbor farmer's market to raise awareness for environmental/animal related issues