

Caitlin Cantrell

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EDUCATION

University of Michigan, Ann Arbor, MI
College of Engineering Computer Science Major
GPA: 3.35

August 2023 to May 2027

WORK EXPERIENCE

University of Michigan Robotics, Ann Arbor, MI
Instructional Aide: ROB 101

January 2024 to Present

- Assists students through troubleshooting programming projects and explaining linear algebra concepts with coursework through weekly office hours and class time.
- Grades and provides feedback on linear algebra and Julia programming work

A.S.K. Services, Plymouth, MI

Title Searcher, Wayne County Project Intern

May 2024 to August 2024, May 2025 to August 2025

- Completed title searches for Wayne County with a goal of preventing foreclosures in Metro Detroit
- Conducted 50+ consecutive title searches in a row without errors, eliminating the need for a checker and increasing efficiency

Dry Goods USA, Ann Arbor, MI

March 2023 to October 2023

Key Holder

- Demonstrated great customer service skills through assisting shoppers
- Closed and opened the store alone and with other associates
- Trained new keyholders and associates in basic store responsibilities

SKILLS

- Programming: C++ (Proficient), Julia (Intermediate), MATLAB (Intermediate), Java (Basic), Python (Basic), HTML (Basic), CSS (Basic), JavaScript (Upcoming)
- Tools: Visual Studio Code, GitHub
- Software: Microsoft Word, PowerPoint, Excel

RELEVANT COMPLETED COURSES

- EECS 281: Data Structures and Algorithms
- EECS 280: Programming and Intro Data Structures
- EECS 203: Discrete Mathematics
- SI 339: Web Design, Development, and Accessibility
- ROB 101: Computational Linear Algebra
- MATH 115-215: Calculus 1, 2, and 3.
- PHYS 240/241/140/141: General Physics I and General Physics II
- CHEM 130: General Chemistry

VOLUNTEER EXPERIENCE

- Led and watched over children ages 4-10 during church through Calvary Baptist Church in Ypsilanti and Northridge Church
- Planned and actively participated in FIRST robotics outreach events such as leading elementary robotics competitions, summer camps, and Salvation Army Bell Ringing

PROJECTS

- Cookbook Website: <https://caitcan8.github.io/cookbook/> <https://github.com/caitcan8/cookbook>
- Nonnogram Solver (in progress): <https://github.com/caitcan8/nonnogramsolver>
- Wordle Solver (in progress): <https://github.com/caitcan8/wordlesolver>