

Anthony Wohlfeil

415 East Hoover Ave · Ann Arbor, MI 48104 · (734) 819-8994

antwohlf@github.io · antwohlf@umich.edu

Objective

I am seeking a software engineering position to further develop my interpersonal and technical skills. I wish to contribute to a creative and productive work atmosphere through collaboration and software development.

Education & Skills

College:

University of Michigan, Ann Arbor, Michigan

Bachelor of Science in Engineering, degree anticipated April 2020

Major: Computer Engineering

Minor: International Minor for Engineers

Relevant Courses:

Data Structures and Algorithms, Intro to Computer Organization, Intro to Electronic Circuits, Logic Design, Signals and Systems, System Design of a Search Engine

Technical Skills:

Experience With: C++, C, Python, MATLAB

Software: Adobe Photoshop, Amazon Web Services (Batch, EC2, ECR, ECS, Lambda, S3), AutoCAD, NI Multisim

Experience

Software Engineering Intern

March 2019 – Current

McCity, Ann Arbor, MI

- Built a custom AMI in AWS to run GPU-enabled processing of video from McCity's autonomous shuttles
- Developed a system in AWS Batch to efficiently and automatically run a computer vision video processing library on over 10,000 hours of autonomous vehicle footage. My optimizations saved McCity thousands of dollars in getting these videos labeled
- Trained a custom dataset in YOLO/Darknet to process images and video with objects relevant to McCity researchers and partner companies

Search Engine Design Project

January – April 2019

EECS 398 at the University of Michigan

- Worked on a team of 6 students to build a search engine in C/C++
- Contributed to a crawler that downloaded and indexed over 3 million documents
- Constructed index stream readers to match search query constraints to documents within the index

Project Manager

May – August 2017

Student Painters, Monroe, MI

- Gained management skills by leading a team of 6 workers that produced over \$70,000 in sales during a 4-month period
 - Conducted inspections of projects with clients to ensure accuracy and customer satisfaction
 - Handled monetary transactions between clients and Student Painters once projects concluded
-

Volunteer Experience

Student Ambassador

Department of Electrical and Computer Engineering (ECE) at the University of Michigan

August 2018 – Current

- Promote awareness of the ECE department through one-on-one communication during on-campus recruiting events and distributing flyers
- Serve as a resource for students displaying interest in the ECE department by directly corresponding with prospective students

Vice President of Communications

Student Branch of the Institute for Electrical and Electronics Engineers (IEEE) at the University of Michigan

April 2018 – Current

- Promote IEEE events through flyering on campus and sending weekly updates to an email list of 400 students
 - Mentor IEEE's Publicity chair and advertise the organization through its social media accounts
-

Awards and Other Activities:

- Member of the Engineers Abroad Returnee Network (2019 – Current)
- Member of the HAIL Scholars program (2016 – Current)
- Member of MRUN, Michigan's club running team (2016 – Current)