Anthony Wohlfeil

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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
Degree: BSE in Computer Engineering – degree anticipated April 2020
Minor: International Minor for Engineers

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

Technical Skills:
Proficient In: C++, C
Experience With: Python, MATLAB, HTML
Software: Adobe Photoshop, Amazon Web Services (Batch, EC2, ECR, ECS, Lambda, S3), AutoCAD, NI Multisim

Experience

Software Engineering Intern   March 2019 – Current
Mcity, Ann Arbor, MI
- Developed a system in AWS Batch to automatically and efficiently run a computer vision video processing library on over 10,000 hours of autonomous vehicle footage
- Containerized YOLO/Darknet and utilized python to run GPU enabled video processing on data from Mcity's autonomous vehicles
- Trained a custom image classifier to process video with objects relevant to Mcity 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++
- 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   August 2018 - Current
Department of Electrical and Computer Engineering (ECE) at the University of Michigan
- Promote awareness of the ECE department through on-campus recruiting events and distributing flyers
- Serve as a resource for those displaying interest in the ECE department by corresponding with prospective and current University of Michigan students

Vice President of Communications   April 2018 - Current
Institute for Electrical and Electronics Engineers (IEEE) at the University of Michigan
- Promote IEEE events through flyering on campus and sending weekly updates to an email list of 650 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)