

George Coleman Shaffer

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Objective: Work as an intern for the 2019 summer in software engineering.

EDUCATION

University of Michigan-Ann Arbor

- Computer Science major
- GPA: 3.418/4.00
- University Honors | '16, '17
- Relevant Courses: Introduction to Machine Learning, Web Databases & Information Systems, Data Structures and Algorithms, Introduction to Operating Systems, Introduction to Computer Security, Introduction to Computer Organization
- Expected graduation in December, 2019

SOFTWARE ENGINEERING EXPERIENCE

CROMA Lab

August 2018-Present

- Working on applying standard algorithms to real world scenarios by utilizing HoloLens mixed reality headsets to understand UI requests, carry out necessary computation, and guide in assisted problem solving

MDA Autonomous Quadcopter Sensor System

January 2018-Present

- Working in a University/MDA co-op to develop an autonomous mobile sensor system for a quadcopter to track remote RF beacons, identify and track targets at the scene of a beacon, and relay analyses and video stream to a headquarters

Intern at the University of Kiel

June 2017-August 2017

- Worked on a platform in an ion source chamber controlled by 6 stepper motors and a phymotion computer. Identified buggy operations and created a guide to effectively navigate around the bugs as well as a program that computed necessary operations for a convenient measurement system that I implemented.

Computer Science Projects

- Implemented a remote filesystem server with fine-grained multithreaded concurrency
- Implemented a multi-threaded MapReduce server using TCP and UDP communication protocols

LEADERSHIP EXPERIENCE

Michigan Men's Club Lacrosse Team Captain

September 2016-present

- Currently a team captain and serving for my second year on the executive board. Helped recruit the two largest freshman classes in program history, helped establish academic support groups within the team, and organized practices and traveling to tournaments.

Eagle Scout in Boy Scout Troop 206, Menlo Park, CA

October 2008-September 2014

- Led an Eagle Scout project to install a "Peace Path" program at an under-resourced elementary school for the purpose of teaching students how to prevent bullying. Also collected old paint within the community and recycled it safely.
- Served as Patrol Leader for one year and the Troop Instructor for two years

Menlo-Atherton High School

September 2014-June 2015

- Team captain of varsity lacrosse team and varsity football team and co-founder of the school chess club

ADDITIONAL INFORMATION

- Robust experience in C/C++, Python, and web development
- Experience in Java, AWS, Unity, C#, networking, MATLAB, Swift, and Bash
- Proficient in German