Aidan Loughney

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Education

University of Michigan, Ann Arbor, MI

B.S.E. Computer Science, *College of Engineering*   Anticipated May 2023

Relevant Coursework: EECS 280: Programming and Introductory Data Structures, EECS 203: Discrete Mathematics, Math 215: Multivariable & Vector Calculus, AP Computer Science A

Leadership Experience

Member, Hack Blue   October 2019 - Present

Program Lead, Hack Blue   January 2020 – Present

- Led group of volunteers in instructing students at peace neighborhood center in Computer Science concepts
- Hack Blue is a club that develops Computer Science curriculum which they utilize to introduce CS concepts to underprivileged middle school and high school students in the Ann Arbor area. The club organizes groups of volunteers to travel to the schools for weekly, biweekly, or monthly programs where the volunteers instruct the students.

Troop Guide, Troop 290   September 2017 – September 2018

- led a group of scouts in their first year as boy scouts and helped them acclimate to the troop
- As Troop Guide, I assisted the first year scouts as they worked on different requirements involved in earning their first few ranks and merit badges.

Project Experience

Office Hours Backend, School Project   November 2019

- I built a small web server for an Office Hours queue. The server read and wrote an HTTP subset on stdin and stdout. The finished project was a functioning web application accessible through a browser.
- The backend was assigned as a project as a part of EECS 280: Programming and Introductory Data Structures. The instructors provided a python server and students were tasked with writing and implementing a linked list and REST api to take in and send out requests.

Image Resizer, School Project   October 2019

- I built an application that took an image and resized the aspect ratio without distorting the image.
- The project was assigned as a part of EECS 280: Programming and Introductory Data Structures. As part of the project, I implemented a seam carving algorithm and utilized C style object-oriented programming.

Technical Skills

- Programming Languages: C++, Java
- Other: Git, Markdown, Latex

Honors

National AP Scholar – College Board   July 2019
Eagle Scout Award – Boy Scouts of America (Troop 290)   June 2018