Aidan Loughney

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Education

University of Michigan, Ann Arbor, MI   GPA: 3.36/4.0
Bachelor of Science in Engineering in Computer Science   Anticipated May 2023

Relevant Coursework: Data Structures and Algorithms, Programming and Introductory Data Structures, Discrete Mathematics, Multivariable & Vector Calculus

Leadership Experience

Michigan Data Science Team   Ann Arbor, MI
Election Forecast Team Member   September 2020 – November 2020
- Collaborated with five Computer Science and Data Science students to create an Election Forecast Model for the 2020 Presidential Election
- Utilized Python, Pandas, and NumPy to make adjustments to the model taking into account expanded access to voting and created several visualizations
- The model correctly predicted 48 of 50 states correctly and DC

Enlight   Remote
Student Mentor   August 2020 – Present
- Assist 40+ cohort members as they learn to code through projects and hands on learning
- Address cohort members' questions about implementation details, debugging, and project ideation for their capstone projects

HackBlue   Ann Arbor, MI
Member   October 2019 - Present
Program Lead   January 2020 – December 2020
- Organized one of the programs offering a basic introduction to CS concepts for mainly underprivileged middle schoolers
- Facilitated and led weekly sessions as part of the program instructing students in Computer Science concepts

Project Experience

SillyQL, School Project   November 2020
- Created a program in C++ that emulates a basic relational database with an interface based on a subset of a standard query language
- Implemented several different data structures including a Hash Table and a Binary Search Tree for quick lookup of table entries

Portfolio Website, Personal Project   July 2020
- Built a personal website to serve as a digital portfolio for my personal programming projects
- Utilized HTML, CSS, and JavaScript to create pages displaying an introduction, past projects, and a contact form using Netlify forms

Technical Skills

- Programming Languages: C++, JavaScript, Python
- Other: HTML, CSS, Git, Markdown, Latex

Honors

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