

Aidan Loughney

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Education

University of Michigan, Ann Arbor, MI
Bachelor of Science in Engineering in Computer Science

GPA: 3.61/4.0
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 – February 2021

- 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

Honors

National AP Scholar – College Board

July 2019

Eagle Scout Award – Boy Scouts of America (Troop 290)

June 2018