Aidan Loughney

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Education

University of Michigan, Ann Arbor, MI
GPA: 3.61/4.00

Bachelor of Science in Engineering in Computer Science
May 2023

Relevant Coursework: Data Structures and Algorithms, (F21) Web Systems, (F21) User Interface Development, Foundations of Computer Science, Discrete Mathematics, Multivariable & Vector Calculus

Technical Skills: C/C++, JavaScript, Python, HTML, CSS, Git, VS Code, XCode, macOS, Windows

Work Experience

University of Michigan
Ann Arbor, MI

Tech Consultant
May 2021 – August 2021

- Assisted students, faculty, and staff with using technology and services at a Campus Computing Sites and with the use of their own personal devices
- Solved issues that arose at a Campus Computing Site and maintained the functionality of the Computing Site

Extracurricular Experience

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 underprivileged middle schoolers
- Facilitated and led weekly sessions as part of a program instructing students using block-based programming and games to teach content including basic cryptography, control flow, and functions
- Designed curriculum that is utilized to introduce CS concepts to 40+ middle school and high school students

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 mail voting and early voting and created multiple visualizations to analyze our findings
- The model correctly predicted 48 of 50 states correctly and DC

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

Awards

Eagle Scout Award – Boy Scouts of America (Troop 290)
June 2018