CONOR MURPHY

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EDUCATION

University of Notre Dame   Notre Dame, IN
College of Engineering, B.S. Computer Science; GPA: 3.51   *Aug. 2018 - May 2022*

Relevant Coursework: Data Structures, Systems Programming, Discrete Math, Logic Design

In Progress: Compilers, Theory of Computing, Programming Paradigms, Principles of Software Development

Saint Patrick High School   Chicago, IL
GPA: 3.99   *Aug. 2014 - May. 2018*

SKILLS

- C/C++, Unix, Python, Javascript, VueJS, MATLAB, HTML, CSS, Git, Microsoft Word, Excel, Powerpoint

EXPERIENCE

Chaoli Wang Lab, University of Notre Dame   Notre Dame, IN
Undergraduate Research Assistant   *August 2020-Present*

- Incoming student research assistant working with the D3.js Javascript library to build data visualization tools
- Utilizing Notre Dame learning data to understand achievement gaps that result from students' differing backgrounds

The Graduate School, University of Notre Dame   Notre Dame, IN
Graduate Enrollment Management Student Assistant   *August 2019-May 2020*

- Handled initial review of 2019-2020 application rounds
- Designed various materials for official communication to potential applicants

Office of the Executive Director, Center for Social Concerns, University of Notre Dame   Notre Dame, IN
Student Administrative Assistant   *September 2018-May 2019*

- Gathered preliminary information relevant to upcoming research proposals
- Prepared marketing and organizational materials for the Center's internal
- Completed various administrative tasks under direction from the Executive Director/Executive Assistant

Ridgemoor Country Club   Harwood Heights, IL
Golf Caddie   *2016 - 2019*

PROJECTS

Spidey.c Webserver   Notre Dame, IN
CSE 20289: Systems Programming   *April-May 2020*

- Worked with one other student to build an HTTP 1.0 webserver in C that can handle traffic in single or forking mode
- Functionality includes serving/traversing directory listings, displaying images and txt files, and running bash/Python CGI scripts
- Utilized an AWS instance to run the server permanently and accept global traffic

CrossReference   Chicago, IL
Personal Project   *March 2020*

- Developed a Python CLI tool to cross reference films on Letterboxd watchlists with preferred streaming services
- Gained experience in using Python libraries to handle webscraping and making API requests

MATLAB Battleship AI   Notre Dame, IN
EG10112: Into to Engineering II   *Spring 2019*

- Worked with a student team to develop attack algorithms for the board game Battleship in MATLAB
- Implemented comprehensive GUI to allow users to run tests of each algorithm and visualize results over hundreds of games at once, as well as visually represent a full game in realtime with each algorithm

Inspectus Minimum Viable Product   South Bend, IN
Codeseed   *Summer-Fall 2019*

- Paired with a local restaurant compliance startup to develop a minimum viable product web-app
- Work conducted through student-led development group CodeSeed