Ryan Farrow

(661) 644-7210 | rfarrow@nd.edu | LinkedIn: linkedin.com/in/rfarrow1010

EDUCATION

University of Notre Dame   **Notre Dame, IN**
Bachelor of Science in Computer Science   May 2022
- GPA: 3.52 | Dean's List, College of Engineering, Spring 2020 – present
- Minor in Engineering Corporate Practice
- Select Coursework: Programming Paradigms, Operating Systems, First Year Chinese

University of Notre Dame Summer Engineering Program   **Berlin, Germany**
- Selected for summer 2019 engineering study abroad program with cultural events and teaching English workshops for new migrants

EXPERIENCE

Race to Revenue 2020   **May – July 2020**
Startup Founder   Notre Dame, IN
- Selected as a participant for business incubation mentorship program with twice-weekly seminars on business planning, best practices, and product development
- Developed the Python source code for a prototype sanitization machine
- Conducted customer interviews and incorporated feedback to develop a marketable product
- Pitched for initial seed grant of $1350 and led multiple iterations of ideation cycle to improve product

University of Notre Dame, Department of Computer Science   **August 2020 - Present**
Teaching Assistant, Data Structures   Notre Dame, IN
- Mentor students in the use of data structures to optimize performance in a variety of C++ programs
- Improve efficacy of class by advising instructor on student feedback, progress, and individuals needing extra help

PROJECTS | GitHub: github.com/rfarrow1010 | Demo page: rfarrow1010.github.io

Economist Command Line Player
- Command line program written in Python used to play the audio edition of The Economist
- Uses multiprocessing and curses API to handle input and control the OS default audio player

Bia Robotics Prototype
- Built first draft on Raspberry Pi using GPIO to control motors and socket programming to communicate between device and server

Notre Dame Hackathon 2019
- Built a rudimentary HTML/Bootstrap interface as the frontend of a time management tool
- Organized distribution of work among four members and presented the product to judges

ACTIVITIES

Ultimate Frisbee   **August 2018 – Present**
- Attended weekly practices and competed in regional tournaments. ~5 hour/week dedication

Apparel Commissioner, Carroll Hall   **August 2019 – March 2020**
- Designed residence hall apparel in cooperation with Hall President/VP and Hall Staff

Urban Plunge Volunteer Seminar   **Fall 2019**
- Participated in weekly meetings on urban social issues, culminating in a service project on behalf of the local community

SKILLS AND INTERESTS

Languages: Python (advanced); C/C++, Bash (proficient); Java (familiar)
Skills: Linux/Unix, Git, HTML/CSS
Interests: Running, Basketball, Tennis