

# Ryan Farrow

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## EDUCATION

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### 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

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### 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](https://github.com/rfarrow1010) | Demo page: [rfarrow1010.github.io](https://rfarrow1010.github.io)

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### 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

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### 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

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Languages: Python (advanced); C/C++, Bash (proficient); Java (familiar)

Skills: Linux/Unix, Git, HTML/CSS

Interests: Running, Basketball, Tennis