

Paul Rodriguez

Boston, MA | prod00@me.com | (617) 571-7593

EDUCATION

Case Western Reserve University | Cleveland, OH
Candidate for Bachelor of Science in Computer Science
Major: Computer Science | **GPA:** 3.34

Anticipated Graduation: May 2022

SKILLS

Python, Django, Flask, Java, Ruby, HTML/CSS, GitHub, Linux, Bash, Raspberry Pi, Arduino, SolidWorks, 3D printing, C++, SQL

WORK EXPERIENCE

Paid Research Assistant | CWRU | Cleveland, OH June 2020 – Present

- Programming in Python-Django, JS, and HTML/CSS to build an informative website on partner violence
- Includes a survey where users can see how they compared to other people who have take the survey and includes easy to understand visuals
- Built algorithm to determine what questions the user would get next in the survey
- Collaborated with partner using GitHub
- Meet professors over Zoom weekly to give clear updates on the progress
- Launched website on Linux server.

Paid Access Greeter | Farm & Wilderness Foundation | Plymouth, VT May 2020 – August 2020

- Informed visitors coming to Woodward Reservoir.
- Enforced the local policies on the reservoir
- Checked/cleaned visors watercraft to make sure no invasive species got into the reservoir.

Paid Intern | Draper | Cambridge, MA June 2017 - Aug 2017

- Designed and programmed a guidance and communication algorithm for supply drops to be used by military or disaster relief missions
- Learned MatLab on the job and used it to create both the algorithm and a simulation of a drop
- Worked closely with a partner and solicited the expertise of other colleagues
- Prepared and delivered a final presentation

ACCOMPLISHMENTS

Winner of HackCWRU February 2020

- Collaborated with two other students to develop a web application, RelApps, that collects and analyzes health data to predict a recovering addict's real-time risk of a relapse
- Included an application then alerts a pre-selected support network and encourages its members to reach out to the user

Newton North High School Engineering Certificate May 2018

- Received for taking all required engineering courses with an A

Presidential Scholarship May 2018 - Present

- Received for "Recognizing outstanding academic and personal achievement among first-year applicants"

RELATED PROJECTS

Case Connect

- Working on a fully functional website where professors can post their RA and TA positions and students could then apply to the positions posted
- Programmed using Python Django, HTML/CSS, JS, and SQLite
- Working with a team as the elected leader making sure everyone got their part of the project done on time
- Using unit testing, object oriented programming, and GitHub

Risk Computer Game

- Programmed the popular board game "Risk" using Python and Graphics.py so I didn't have to buy the app
- Taught me a lot about data structures, recursion, and efficient coding