

EDUCATION

- **University of Maryland, College Park** College Park, MD
Bachelor of Science in Computer Science; GPA: 3.42 Aug. 2018 – May. 2022
 - **Coursework:** Object-Oriented Programming I and II, Introduction to Computer Systems, Discrete Structures, Organization of Programming Languages, Algorithms

EXPERIENCE

- **Montgomery Can Code** Rockville, MD
Teaching Assistant July 2020 - Sept 2020
 - **Curriculum Development:** Worked in a group of faculty members and other teaching assistants to develop an adequate curriculum for teaching Swift through a virtual format
 - **Developed Tutorials:** Assisted faculty and other teaching assistants in making various tutorial videos on programming concepts such as: Conditionals, Loops, Variables to help students further understand these concepts
- **La Voz Unida** College Park, MD
Website Administrator Oct 2019 - Present
 - **Website Deployment:** Used DigitalOcean to deploy their personal Wordpress website, provided maintenance of DigitalOcean Droplet to ensure it is up and running
 - **Domain Integration:** Provided assistance with the purchase of a custom domain from Namecheap.com and integrated the domain with the DigitalOcean droplet
 - **Website Maintenance:** Provide basic maintenance such as reviewing website analytics, updating Wordpress and plugins, checking for broken links, and creating new pages to deploy to the website if necessary
- **University of Maryland, Institute for Systems Research** College Park, MD
Research Intern Nov 2017 - Aug 2019
 - **Data Collection:** Collected various amounts of data through the use of Python scripts from gas sensors, distance sensors and recording positions of the quad-copter
 - **Sensor Configuration:** Ensured that sensor data collected was accurate and up to standard through the use of various Python scripts
 - **Optimal Flight Path Research:** Worked with a graduate student, undergraduate students, and a faculty member to determine the most optimal flight path to achieve odor source localization

PROJECTS

- **Discord bot**
Simple Discord bot that moderates personal Discord server using Discord.js
 - **Overview:** Discord bot is written in Javascript and uses the Discord.js module. Discord.js provides an easy interaction with the Discord API. The Discord bot can handle various custom commands such as !216 which sends links that correspond with that course
- **A Simple Shell**
Shell program that supports boolean operations, pipes, and file redirection
 - **Overview:** Project was written for my Introduction to Computer Systems course which was used C as its primary language. Through the use of structures, forking, pipes and file inputs we were able to implement a smaller version of a typical bash shell

PROGRAMMING SKILLS

- **Languages:** Java, JavaScript, Python, C, Ruby, OCaml, Rust, MATLAB, HTML, CSS, MIPS Assembly
- **Version Control:** Git
- **Technologies:** DigitalOcean, Wordpress