Harrison Lee

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[Website](#)   [LinkedIn](#)   [GitHub](#)

Education

University of Washington   *Tacoma, WA   August 2019*
- BS in Computer Science   GPA: 3.59
- Upsilon Pi Epsilon (UPE) Engineering Honor Society   Dean's List

Experience

Software Developer Intern: Infoblox   *June 2019 – September 2019*
Internship
- Utilized **Python** to develop tests for an **AWS S3** data monitoring application.
- Wrote functional tests in **JavaScript** for **REST API's**, with **Postman** and **Docker**.
- Researched and integrated **JavaScript Behave** framework for testing **REST API's**.
- Modified **Dockerfiles** to enable headless chromedriver in **Docker** containers for **end-to-end UI testing** with **Selenium**, **Vue.js** and **Node.js**.
- Created technical documentation on **Behavior Driven Development** and **Postman** tests.

Projects

MapleStory Private Server   *March 2020 - July 2020*
MMORPG Development
- Developed a MapleStory private server in **JavaScript** and **Java** using source code online.
- Utilized **AWS Lightsail** as a virtual private server for hosting the game.
- Practiced networking skills by configuring firewall rules and installing FTP Services.
- Modified **MySQL** database containing game data using **WampServer**.

Modeling Metro Systems   *March 2019 - September 2019*
Undergraduate Research
- Implemented mathematical models derived from multiple research papers to simulate Physarum, a biological slime mold, directed by university faculty.
- Simulation developed in **JavaScript**, **HTML**, and **CSS**.
- Strengthened applied algorithmic skills by utilizing Gaussian elimination to solve for unknown variables and depth first search.

DioCraft   *July 2020 - Present*
Discord Bot
- Created a Discord bot hosted on **Heroku** for managing a Minecraft server.
- Bot developed in **Python** using **Discord.py** to communicate with Discord chat.
- Utilized **MCRcon** to connect to the Minecraft server as well as execute RCON commands on the server through Discord.

OurHouse   *July 2020 - Present*
Discord Bot
- Built a **Python** Discord bot using **Discord.py** to gather players in a Discord server and organize them into two teams for in house gaming events.
- Bot hosted on **Heroku** with automatic build and deployment using **GitHub**.