

Lawrence Qupty

Location: Seattle, Washington

lawrence-qupty.web.app | [LinkedIn](#) | [GitHub](#) | Lawrencequp@gmail.com

TECHNICAL SKILLS

Languages : Rust, Python, Typescript, Java, C/C++
Frameworks : React, Node, [Rocket](#), React Native
Dev Tools : Linux, Git, Emacs, Git, Gitlab/Github, \LaTeX

EXPERIENCE

Software Engineer

[VisionDAO](#)

Jun 2022 –

Remote – Seattle, WA

- Designed, developed, and built a MVP for an Web3 platform for decentralized organization
- Modeled and optimized tokenomics for profit
- Used Rust and Webassembly to build a virtual machine to run WASM modules

Student Researcher

[University of Washington Najafian Lab](#)

Sep 2021 – Jun 2022

Seattle, WA

- Worked with React, Node, and CSS3 to develop a user friendly web app to interface with the lab's machine learning models
- Achieved a high level of user experience while delivering highly technical features

EDUCATION

University of Washington

Bachelor of Science in Computer Science

Seattle, Washington

Expected in Jun 2023

- 3.98 GPA; Annual Dean's List (2020-2022); Quarterly Dean's List (All full-time quarters)
- Coursework focusing on distributed systems in the software engineering track

UW Academy at the University of Washington Robinson Center

Exclusive program providing an early entrance path to university

Seattle, Washington

Sep 2021 – Mar 2022

PROJECTS, HACKATHONS, AND ACTIVITIES

FitSocial: *React Native, Rust, Git, Rocket, Expo, CSS3, Git*

[Repository](#)

- React Native frontend and Rust backend social media app with fitness tracking capabilities
- Leveraged **continuous integration** on GitHub via GitHub Actions
- Managed and taught relevant technologies to my **4 other teammates**

Husky Navigation Services: *Java, Azure, JavaScript, HTML5, CSS3, Git*

[Repository](#)

- **Husky Navigation:** Prototype web application for navigation at the University of Washington campus with interactive UI and REST API backend. Enables shortest-rout calculation between buildings and key campus points in a modular and highly scalable way
- **Husky Navigation Content:** Tools that allows user to easily modify and develop mapping data, allowing localized, crowd-sourced mapping
- **Husky Pack:** Hackathon project for a mobile interface for social media-like experience to a campus-based crowd-sourcing marketplace

DSLabs: *Java, Git*

- Developed a fault-tolerant distributed system as part of a course. Implemented primary-backup, Paxos, Transactions, and Load balancing

Powerlifting: *The Gym, Git*

- Intensive powerlifting training 14 hours a week with the goal of competing in powerlifting meets