

# Lawrence Qupty

Location: Seattle, Washington

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## TECHNICAL SKILLS

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

## EXPERIENCE

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### 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

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### 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

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**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