Lawrence Qupty

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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 Jun 2022 – Mar 2023
VisionDAO *Remote – Seattle, WA*

- Designed, developed, and built an MVP for a 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 Sep 2021 – Jun 2022
University of Washington Najafian Lab *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 Seattle, Washington
Bachelor of Science in Computer Science *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 Seattle, Washington
Exclusive program providing an early entrance path to university *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