RYAN VU

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EDUCATION

University of Washington - B.S. *Computer Science* , B.S. *Informatics*   Expected June 2025

EXPERIENCE

DataFi   **May 2024 - Present**

Software Engineer Intern | Typescript, Quasar, Vue, SQL, Azure, Git

- Integrated 10+ disparate data sources into a unified platform, enabling comprehensive business data analysis and insights, resulting in a 30% improvement in data accessibility and a 20% reduction in data retrieval time.
- Developed and delivered 5 JavaScript NLP and data visualization components, boosting user engagement by 25%.

Profit Lounge   **January 2024 - May 2024**

Software Quality Assurance Intern | Python, SQL, Git

- Actively engaged in alpha testing with development and cybersecurity teams to enhance user verification systems.
- Used standard methodologies like unit testing and integrated testing to ensure the launching of new features.

LEADERSHIP & ACTIVITIES

Google Developer Student Club @ UW Seattle   **July 2024 - Present 2024**

President / Lead

- Led the Google Developer SC at UW, organizing workshops, hackathons, and speaker events for 200+ students.
- Train students on Google technologies, boosting proficiency in cloud computing, machine learning, and engineering

PROJECTS

Neuro-Reactive Robotic Service Dog   **https://devpost.com/software/neurodog-d2cufp**

Typescript | React | Python | Docker | OpenAI | NextJS   *Treehacks (Stanford, CA)*

- Built a robotic service dog using a machine learning algorithm to analyze electroencephalogram data, recognize brainwave patterns, and execute commands to assist the elderly and disabled.
- Engineered on the Boston Dynamics SPOT dog to imitate the actions and benefits of a traditional service animal.
- Utilized OpenAI's Whisper for natural language comprehension and ChatGPT for function calls to emphasize realism.

T-Mobile AI Customer Support Widget   **https://devpost.com/software/t-mobile-assistant**

Javascript | OpenAI | React | NextJS | Typescript | TailwindCSS   *Dubhacks (Seattle, WA)*

- Developed products for improving customer communication and support by offering instant customer call support.
- Designed a React CRM widget using AI summarization, audio transcription, and email integration capabilities.
- Integrated T-Mobile's YNA API, ensuring seamless communication with third-party environments.

Seattle Mapping Platform   **https://github.com/rockuutree/uwMap**

Java | Docker | HTML | Git | MapBox API | Fly.io

- Developed an educational web app for mapping, place searching, and navigation in Seattle using Java.
- Implemented key components including Autocomplete, Priority Queues, and Seam Finding algorithms.
- Utilized Docker for containerization and deployed the application using fly.io for web hosting.

Personal Portfolio Website   **https://vuryan.com/**

Javascript | Typescript | React | Svelte | Vercel | TailwindCSS

- Established a portfolio website to depict skills and projects and implemented responsive design principles.
- Utilized React.js and deployed it via Vercel on a SquareSpace domain for dynamic content and hosting.

TECHNICAL SKILLS

Front End | CSS, HTML, JavaScript, React, NextJS, TypeScript, NodeJS, styled-components
Back End | Java, C++, SQL, Python, C
Developer Tools | Firebase, Git, GitHub, npm, OpenAI, Vercel, Turborepo, Figma, Azure