

# RYAN VU

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## EDUCATION

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University of Washington

B.S Informatics, B.S Computer Science

Expected June 2025

Seattle, WA

## TECHNICAL SKILLS

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**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

## EXPERIENCE

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**Quality Assurance Specialist**

**January 2024 - Present**

*Profit Lounge*

- Actively engaged in alpha testing with development and cybersecurity teams to enhance user verification systems.
- Performed comprehensive bug testing to ensure the proper user experience for the launching of new features.
- Played an active role in offering feedback to improve future software releases, informed by testing outcomes.

## PROJECTS

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**Automated Class Registration | *Python, Selenium***

**December 2023**

- Developed a Python script for automated class sign-ups at UW, leveraging the Selenium framework for web automation
- Streamlined the registration process, ensuring timely enrollment and enhancing user convenience and efficiency.

**Health Care Scheduler System | *Python, SQL, Azure***

**November 2023**

- Engineered a vaccination appointment reservation system for healthcare facilities using Python and SQL for database operations, and Microsoft Azure for secure and scalable database hosting, enhancing efficiency in healthcare facilities.
- Implemented features including account management, appointment scheduling, and security measures.
- System optimizes the appointment scheduling process and enhancing overall efficiency in healthcare facilities.

**T-Mobile Customer Widget (tmobileassistant.com) | *React, NextJS, OpenAI, TailwindCSS***

**October 2023**

- Developed "T-Mobile Assistant," a suite of products aimed at improving customer communication and support.
- Designed a React.js widget that offers instant customer call support with OpenAI summarization, Speech-to-Text audio transcription, and email integration capabilities.
- Addressed challenges in integrating T-Mobile's YNA API, ensuring seamless communication with third-party environments while resolving authentication and data handling issues using NextJS Meta Framework.

**Dragonflyer Game | *Java***

**June 2023**

- Programmed gameplay components for a video game called Dragon Flier by creating an instructions popup with automatic text wrapping and timed display features using Java and graphics built with JFrame.
- Implemented a custom data structure: a generic ArrayList using a linkedlist structure to ensure flexibility and efficiency.

## LEADERSHIP AND ACTIVITIES

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**TEDxUofw**

**October 2023 - Present**

*Logistics Coordinator*

- Contributed to the successful planning and execution of engaging events that fostered intellectual discourse.
- Videograph and edited compilations for events and coordinated group activities, as well as organized monthly bonding.

**UW Vietnamese Student Association**

**September 2022 - Present**

*Operations Committee Officer*

- Responsible for overseeing a committee and operations such as food, hospitality, and backstage responsibilities.
- Developed expertise in verbal/written communication skills and how to effectively ensure a seamless operation.