

Kyler Tran

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Education

University of Washington Bothell

Sept 2022 - Dec 2024

B.S. Computer Science & Software Engineering | Deans List

Bellevue College

Sept 2020 – June 2022

Dual Enrollment | Phi Theta Kappa Honors Society

Projects

DubsTech Datathon 2025

Apr 2025

Data Analysis - Special Mention

Virtual

- Developed multiple visualizations illustrating Seattle customer service request distribution patterns
- Utilized OpenStreetMap to map geographic request distribution with neighborhood filtering capabilities
- Analyzed departmental request patterns by creating a 3D line plot with Plotly.js

3D Printer G-code Simulator

Dec 2024

- Developed a real-time 3D visualization tool for FDM-based printers using C# and Unity
- Implemented hot-end movement simulation using vector paths and linear interpolation
- User interface enables 3D model selection, material customization, and print speed control

Content-Based Image Retrieval System

Nov 2024

- Created a Python application that uses intensity & color-code methods to analyze image features
- Implemented relevance feedback to improve the system with user input
- Utilized techniques such as Gaussian normalization and Manhattan distance for precise image comparison

Future Business Leaders of America - National Leadership Conference

July 2022

Coding & Programming Competition - 4th Place

Chicago, IL

- Led a team of 3 to develop a website that locates tourism activities and emergency services
- Implemented Google Places & Google Translate APIs to handle large data sets efficiently
- Developed a PDF generation feature to allow users to download their favorite locations

Work Experience

Qualitel Corp.

Feb 2025 – Present

Infrastructure Engineer

Everett, WA

- Monitor infrastructure and automate maintenance tasks to ensure optimal system performance
- Develop and maintain scripts to automate processes and streamline workflows
- Act as the first responder for all systems issues, quickly diagnosing problems and minimizing downtime

Qualitel Corp.

June 2024 – Feb 2025

Automation Intern

Everett, WA

- Developed a full-stack PowerShell application to streamline the deployment of Windows computers
- Automated tasks such as connecting to the active directory, installing software, and updating the OS
- Integrated Snipe-IT via REST API, enabling asset management directly within the application

Skills

- **Programming Languages:** C++, Java, JavaScript, PowerShell, Python, SQL
- **Tools & Frameworks:** Azure DevOps, Docker, Git, jQuery, n8n, Nginx, RESTful APIs