

# JERICK ILANO

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## EDUCATION

**UNIVERSITY OF WASHINGTON**, *Bachelor of Science, UW College of Engineering, UW iSchool* **SEATTLE, WA**

- **Major:** Electrical and Computer Engineering | **Minor:** Informatics | **GPA:** 3.7 Graduation: June 2025
- **Related coursework:** Data Structures & Algorithms, Computer Programming, Client Side Web Development, Databases and Data Modeling, Programming for Signal & Information Processing, Technical Communication

## SKILLS

- **Programming Languages:** Java, HTML, CSS, JavaScript, SQL, C, Python, R, C++
- **Tools:** Git, Github, React, SQLite, MS Azure, Jupyter Notebook, Arduino, Terminal, VSCode

## WORK EXPERIENCE

**Snohomish County Department of Information Technology**

**EVERETT, WA**

*IT SOFTWARE DEVELOPER INTERN*

*November 2023 - Current*

- Assisted in the configuration and deployment of 50+ new workstations using Microsoft System Center Configuration Manager, within enterprise-level system administration and automation tools
- Implemented the practical applications of IT service management tools such as **EasyVista** and **Lansweeper**, gaining insights into IT service management and ticket support processes within an enterprise environment
- Collaborated with IT Developers to streamline proficiency in Windows OS and MS Office, enhancing technical support and software troubleshooting efficiency by **20%** through streamlined processes

**Snohomish County Public Works**

**EVERETT, WA**

*ENGINEER INTERN*

*June 2023 - September 2023*

- Utilized Geographic Information Systems (GIS) software to support the planning and design of infrastructure projects, showcasing proficiency in applying technical software solutions to real-world problems
- Performed 60+ inspections of ADA ramps by recording measurements and ensuring compliance with ADA standards, enhancing public accessibility and safety within county borders

## SOFTWARE PROJECTS

**Web Application: UFit Workout Planner**

[Web Application Link](#)

- Collaborated with colleagues to build an interactive and feature-rich web application for creating and customizing workout plans, allowing users to tailor routines to their unique preferences
- Leveraged a mobile-first approach and iterative development using **HTML/CSS**, employing **Bootstrap** and media queries to create a highly responsive web application, improving user experience and engagement by ensuring seamless usability across various devices
- Programmed user interactivity using **JavaScript** and the **React** Library, by leveraging existing frameworks and libraries, resulting in enhanced functionality and user engagement

**Appointment Reservation App**

- Developed a Java-based command-line interface (CLI) application for a vaccination appointment scheduler, leveraging **JDBC** for **SQL** database interactions, showcasing proficiency in **Java** and database management
- Engineered and implemented a secure database schema for managing patient, caregiver, and vaccine data on **Microsoft Azure**, demonstrating skills in cloud-based database solutions and E/R diagramming
- Designed and executed SQL queries for CRUD operations within the application, enhancing user experience by enabling dynamic scheduling, appointment management, and vaccine stock tracking

**Image Seam Trimmer**

- Created an advanced **Java** class to identify and eliminate the least noticeable vertical and horizontal pixel paths in images, optimizing content display without compromising quality
- Applied software engineering principles, by incorporating **Dijkstra's Algorithm** and dynamic programming, to process and remove the shortest path from uploaded images, optimizing for minimal visual disruption