

# Thuy Nguyen

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[github.com/Monica20030707](https://github.com/Monica20030707) | [monica20030707.github.io/](https://monica20030707.github.io/)

## Education

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**Bellevue College** – BS in Computer Science – 3.5/4.0 GPA September 2021 – June 2025  
• Award: Amazon Scholarship, Activities: Social Media Manager of Computer Science Club

## Experience

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**Open-Source Intern**, CodeDay – Seattle, WA April 2025 – May 2025  
• Led team progress as Scrum Master, ensuring timely delivery by coordinating client communications.  
• Resolved two OED tickets in Agile, through the implementation of database test cases.  
• Ran and tested the website in various environments with Docker, ensuring its functionality and performance.

**Teaching Assistant**, Bellevue College – Bellevue, WA April 2024 – December 2024  
• Guided 40+ students in Java and SQL, with class materials during and after class.  
• Educated students in relational database design and MySQL Workbench operations.  
• Elevated student proficiency in JUnit and Javadoc, enhancing assignment quality by 20%.  
• Delivered detail feedback and recommended lecture topics based on student needs.

**Coding Competition Developer**, Bellevue College – Bellevue, WA April 2024 – Present  
• Developed real-time score updates using SQL and PHP, increasing efficiency by 40%.  
• Enhanced web interfaces with HTML and CSS, boosting user satisfaction by 30%.  
• Created coding problems with auto test cases for Java, Python, C++, and Golang.  
• Assisted onsite at a competition with 30+ participants to ensure smooth operations.

**Web Design Intern**, RSVP – Sai Gon, Vietnam July 2022 – September 2022  
• Designed a Figma mock-up for the company's planned landing page refresh.  
• Collaborated in a team of 4 developers, handled minor coding tickets and assisted with design works.  
• Worked closely with clients to ensure our HTML email template suited the clients needs.

## Projects

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**Balance Tester** - React, Redux Toolkit, Tailwind CSS, Express.js, Jest [Demo](#)  
• Built a real-time full-stack web app that detects balance issues using pose recognition from MediaPipe's ML.  
• Integrated webcam functionality with React Webcam to capture user movements.  
• Managed state flow using Redux Toolkit and styled the UI with Tailwind CSS for responsiveness.  
• Wrote unit tests with Jest, including webcam mock to simulate user behavior and component reliability.

**Stock Ratio Tracker** - Python, React, Typescript [github.com](https://github.com)  
• Fixed broken files in the repository to make web application output correctly.  
• Set up a local development environment by downloading the necessary files, tools and dependencies.  
• Used JPMorgan Chase's open-source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

**Traffic Violation Detection System** - Javascript, AWS Cloud Services [github.com](https://github.com)  
• Processed license plate images from S3, sending email notices to offenders with violation details and fines.  
• Engineered Regex to identify California plates, routed through SQS and EventBridge for proper handling.

## Skills

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**Languages:** Java, Python, Kotlin, C++, Flutter, Next.js, Typescript, JavaScript, MySQL

**Skills:** Full-stack Web Developing, Agile Coaching, Clean Code, Scrum Master, Collaboration, Customer Service

**Tools:** React, Redux Toolkit, Redux Thunk, Docker, VS Code, Android Studio, AWS Cloud Services