

Leonille A. Matunan

leonillematunan@gmail.com | linkedin.com/in/leonille-matunan | leonille-matunan.vercel.app

Education

University of Washington — *Bachelor of Science in Computer Science*

Graduated: August 2024 | GPA: 3.6/4.0

Relevant Coursework: Data Structures and Algorithms I & II, Software Engineering, Database Systems, Operating Systems, Technical Writing, Java I & II, Computer Organization

Work Experience

Freelance Web Developer

June 2024 – Present

- Engineered a custom **React.js** and **Firebase-based** appointment booking system for Nina Nails, enabling the business to move away from paid third-party and save on recurring subscription costs.
- Engineered lightweight, highly-optimized web applications for healthcare clients using purposefully minimal HTML/CSS architecture instead of heavy frameworks, resulting in efficient sub-second loading times

ASUWB Director of Finance & Budget

Sept 2022 – June 2024

University of Washington Bothell

Bothell, Wa

- Implemented a comprehensive budget management system for \$10+ million in student funds, strategically allocating resources across departmental initiatives while maintaining equitable access to critical academic and technology investments
- Orchestrated operational improvements through targeted collaboration with 40+ committee members, optimizing cross-departmental budget utilization while serving as the technical bridge between student needs and administrative requirements

Projects

StuddySpotter | *Full-Stack Web App – 52 Locations across 4 Universities* | *studdyspotter.com*

- Drove all aspects of development, including architecture, implementation, and deployment, for a production-level web platform for discovering and reviewing study locations, integrating robust security (role-based auth) and features like collaborative study sessions and photo uploads (Supabase Storage/S3).
- Built a spatial recommendation engine leveraging **Postgres RPCs** with geospatial filters, distance matrices via **OpenRouteService**, and Supabase **Edge Functions** for caching driving distances with sub 70ms lookup
- Enhanced performance and scalability by implementing **Redux Toolkit** for state management across universities and study locations, and IndexedDB caching for persistent landing page data and offline support.

UW Club Hub | *Student Platform Web app*

- Built a secure, modular student organization management platform with role-based access control using Supabase **PostgreSQL + RLS policies**, enabling officers and admins to manage events, budgets, and club data with fine-grained permissioning.
- Developed a responsive **React + TailwindCSS** frontend integrated with Supabase's real-time subscriptions, allowing instant data updates for event schedules, budget requests, and club dashboards.

Fresh Create | *Backend Order Management System*

- Developed **RESTful APIs** for customer, order, and shipping management, leveraging Spring Framework and **PostgreSQL** as a database to ensure scalability and efficient data handling.
- Engineered high-performance database models and query optimization strategies for customer, order, and shipping workflows, implementing efficient data access patterns that maintained system responsiveness under peak load conditions

Skills

Programming Languages: C++, Java, JavaScript, Python, SQL

Front-end: HTML, CSS, TailwindCSS, Bootstrap, React.js

Tools & Technologies: Docker, Figma, Microsoft Azure DevOps, Git, Firebase & Supabase