

Khang Minh Bui

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Education

Washington State University

B.S. Computer Science

Degree Expected: May 2026

GPA: 3.76

Seattle Central College

A.S. Computer Science

Graduated June 2023

GPA: 3.96

Experience

AVOLTA, Inc.

November 2023 - July 2024

Front-End Developer Intern

- Designed and implemented a React Native cross-platform car security mobile app with real-time alerts and user authentication, improving user engagement by 40%.
- Collaborated with a 5-person engineering team to optimize performance, reducing load times by 30%.

GSUR Program, Washington State University

November 2023 - May 2024

Gerontechnology Undergraduate Researcher

- Collected and analyzed 1,000+ data points from smartwatches and home sensors to label elderly activities for AI training, improving model accuracy by 20%.
- Contributed to gerontechnology research to enhance the well-being of 100+ disadvantaged older adults.

SAM Learning Center, Seattle Central College

October 2022 - June 2023

Computer Science and Math Tutor

- Provided 100+ tutoring sessions, assisting students in Python, Java, Algebra, and Calculus.
- Helped students improve exam scores by 15-25% through assignment guidance, study plans, and concept reviews.

WSU Software Development Club

October 2024 - Present

Project Manager & Full Stack Developer

- Managing development of the Best By Notification web app (React.js, Flask) to track food expiration, notify users before items expire, and suggest recipes based on available ingredients, benefiting 10+ users in testing.
- Overseeing 6 developers, assigning tasks, and mentoring team members in Git, version control, and React.js/Flask, while reviewing 100+ pull requests and providing technical support.

Projects

Sympholingo | *React.js, Express.js, Vite, OpenAI, SunoAI*

Built Sympholingo, an AI-powered language learning app that generates original songs in a user's target language based on their preferred genre. Integrated Suno API for music creation and OpenAI for translation and grammar analysis, teaching concepts like subjects, verbs, and objects with interactive learning and audio playback.

Best By Notification | *React.js, Flask*

Managed and contributed to the development of a mobile-friendly web app that scans food products, tracks expiration dates, notifies users before they expire, and suggests recipes based on available ingredients.

NutriScan | *Next.js, Node.js, Express.js, TailwindCSS, Node.js*

Worked on Frontend and assisted with User Authorization for NutriScan, which scans nutrition labels and offers personalized recommendations for healthier eating based on dietary preferences and food safety.

Achievements

CrimsonCode Hackathon 2025, *Best GenAI Winner & Main Track Winner*. (<https://devpost.com/software/sympholingo>)

AgAID Digital AgATH0N 2025, *2nd place Winner*. (<https://agaid.org/digital-agath0n-2025/>)

AI For Change Hackathon 2024, *Winner*. (<https://devpost.com/software/nutriscan-z4owgh>)

Technical Skills

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

Frameworks & Technologies: React.js, React Native, Next.js, Node.js, Express.js, Flask, TailwindCSS, Bootstrap.

Databases: PostgreSQL, MongoDB, SQLite.

Tools & Cloud Services: AWS, Docker, Render, Vercel, Netlify, Git, GitHub, GitLab, Vite, Figma.