Hong Khai Nguyen

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Education

Evergreen Valley College Jan 2024 – May 2027
Associate in Science for Transfer, Computer Science *San Jose, CA*

- GPA: 3.87
- Coursework: Data Structure and Algorithms, Object-Oriented Programming, Discrete Structures, Foundations of Data Science, Structure and Interpretation of Computer Programs, Introduction to Java, Intro to Linux/Unix
- Planning to transfer to a 4-year university in Fall 2027 to complete a B.S. in Computer Science

Projects

EVC Tutor Schedule | *Next.js, TypeScript, Supabase, PostgreSQL, Prisma, Zod, Vercel*

- Built and deployed on Vercel a full-stack CRUD app that lets EVC admins manage 20+ tutors across 20+ courses and their weekly availability from a login-protected dashboard.
- Designed the PostgreSQL schema on Supabase and ran Prisma migrations; validated API input with Zod.
- Launched a public page used by 50+ students and the EVC Tutoring Center to search tutors by course code and see who is available right now, based on the current term and campus holidays.

OnTrack - HackMIT 2026 | *React Native, Typescript*

- Built the React Native phone app for a wearable Parkinson's freezing-of-gait detector in a 4-person team, showing the patient's live state (walking, freezing, or standing still) from the device's on-board AI model.
- Designed the app for older users with shaky hands: one simple screen, big buttons, and a large STOP button.
- Built the audio cue in the app that plays a steady beat when a freeze is detected.

RoboJab - UC Berkeley AI Hackathon 2026 | *Unitree G1*

- Won 2nd place for Best Physical AI Hack in a 4-person team that turned phone video into a control policy for a Unitree G1 humanoid robot; recorded and prepared the training video data.

Experience

Java Programming Tutor Sep 2025 – Present
Evergreen Valley College *San Jose, CA*

- Tutor beginner students one-on-one in Java fundamentals (variables, loops, conditionals, methods) about 8 hours per week, using hands-on coding exercises to help them debug, understand their code deeply, and improve their grades.

Data Science Embedded Tutor Jan 2025 – May 2025
Evergreen Valley College *San Jose, CA*

- Tutored students in Python and NumPy through data cleaning, statistical analysis, and debugging, and introduced machine learning workflows such as regression and classification.

Leadership Experience

Evergreen Valley College CS Club Sep 2026 – Present
Vice President

- Co-plan the 2026-27 meeting curriculum with the President, covering basic programming (Python, HTML/CSS), LeetCode interview practice, hardware workshops, and AI/machine learning.

Evergreen Valley College CS Club Jan 2024 – May 2024
Project Manager

- Led a 4-member team to assemble and test an autonomous Raspberry Pi robot tank in 8 weeks, assigning tasks, setting weekly goals, and giving regular status updates to keep the project on schedule.

Skills

Languages: TypeScript, Java, JavaScript (ES6+), Python, SQL, HTML/CSS
Frameworks & Libraries: React, React Native, Next.js, Spring Boot, Prisma, Zod, JUnit, NumPy, scikit-learn
Databases: PostgreSQL, Supabase
Developer Tools: Git, Vim, GitHub, Linux, Visual Studio Code, Maven, Flyway, Vite, Vercel, IntelliJ IDEA