

Vi Huynh

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Education

San Jose State University

Expected May 2028

Bachelor of Science in Computer Science / GPA: 4.0/4.0

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Computer Systems, Discrete Mathematics, Linear Algebra, Statistics

Technical Skills

Languages: Java, Python, C++, SQL, TypeScript, JavaScript, C, Swift

Frameworks: Spring Boot, FastAPI, Next.js, React, Vue, Node.js

Databases and Cloud: PostgreSQL, Supabase, Azure, Google Cloud Run, Vercel

Tools: Git, GitHub Actions, Docker, Linux, JUnit, Testcontainers

Experience

CodeDay (Eclipse PDE) GitHub

Jun 2025 - Aug 2025

Open Source Intern

Remote

- Built a Java fix with 2 teammates for an Eclipse PDE bug that let users pick applications their product didn't include, causing failed launches; it filters the list against the product's OSGi plug-ins (PR #1935).

Grossmont-Cuyamaca Community College District

Aug 2024 - Jun 2026

Math Tutor

El Cajon, CA

- Tutored 40+ students a month from pre-algebra to calculus, including as embedded tutor for Calculus I.

Projects

Brownie: AI Form-Filling App GitHub

Sep 2026 - Present

Sole developer / Java 21, Spring Boot, PostgreSQL, Docker, JUnit, Testcontainers, Vue

- Built a Spring Boot and PostgreSQL backend that uses an LLM to fill Word and PDF forms from a user's notes, linking each drafted answer to the source text it came from.
- Achieved **zero duplicate or stale results** across worker crashes and retries in fault-injection tests by building a PostgreSQL job queue with SKIP LOCKED claims, expiring leases, fencing tokens and idempotency keys.
- Isolated each workspace's data with row-level security and separate least-privilege database roles for the API and workers, with integration tests showing cross-workspace and spoofed requests read nothing.

ASGC OS: Student Government Operations App GitHub

Dec 2025 - Jun 2026

Sole developer / Next.js, TypeScript, PostgreSQL (Supabase), GitHub Actions, Vercel

- Cut weekly attendance reporting from **about 5 hours to 10 minutes** for a 15-person student government board by building a web app that verifies check-ins by location and photo and auto-exports timesheets.
- Protected member records with role-based access and two-factor sign-in, and blocked any release that failed lint, type checks, tests or a dependency audit in CI.

RareVerse: Rare-Disease Knowledge Graph GitHub

Oct 2026

Team of 3, Hack-Nation Global AI Hackathon / Next.js, TypeScript, Python, OpenAI

- Led the team that built a cited knowledge graph of 93 rare diseases from 7 public biomedical databases in 21 hours, linking each disease to related conditions, patient groups and researchers.
- Scored all 4,278 disease pairs in **about 60 ms**, byte-identical on every run, by using an inverted index and a set-similarity prefix filter to skip pairs with nothing in common.

Pear: Family Allergy Scanner GitHub

Oct 2026

Sole developer, SF Hacks x GDG AI Hackathon / Swift, Python, FastAPI, Firestore, Gemini, Cloud Run

- Built an iOS prototype and API that check product labels against each family member's allergies, with **zero missed allergens** in testing; Gemini only reads the label and a rules engine decides.

Leadership & Activities

Full-Stack Developer, Responsible Computing Club Hackathon Dev Team, SJSU

Sep 2026 - Present

President, Associated Students of Grossmont College (15,000 students, \$50K budget)

Oct 2024 - Jun 2026

Program Participant, CSUMB Computing Talent Initiative

Jun 2024 - Aug 2025