Huy Tran

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Education

DePauw University, Greencastle, IN Bachelor of Arts in Computer Science & Mathematics Aug 2021 – May 2025

Experience

Google LLC, Mountain View, CA Software Engineering Intern Summer 2024 • Designed and implemented a microservice in Go and C++ within Google Cloud Platform, handling over 1 M requests/day and reducing end-to-end latency by 25%. • Built a data ingestion pipeline using Dataflow and BigQuery, automating the processing of terabytes of telemetry data and enabling near-real-time analytics. • Collaborated with cross-functional teams to prototype a machine-learning–driven feature ranking system in TensorFlow, improving prediction accuracy by 12%.

Meta Platforms, Inc., Menlo Park, CA Software Engineering Intern Summer 2023 • Developed and optimized React Native modules for the Facebook mobile app, cutting app cold-start time by 20% on Android devices. • Authored and deployed GraphQL resolvers in Hack/PHP to support new social engagement features, improving fetch efficiency by 30%. • Led A/B tests for in-app notifications, analyzed results with Python-based tooling, and rolled out changes that lifted click-through rate by 8%.

Adobe Inc., San Jose, CA Software Engineering Intern Summer 2022 • Contributed to the Adobe Document Cloud team by building a real-time collaboration service in TypeScript and Node.js, enabling simultaneous multi-user PDF editing. • Enhanced the PDF rendering engine in C++, streamlining memory management and reducing page-load time by 30%. • Improved CI/CD pipelines by integrating Docker and Jenkins, cutting build times by 40% and increasing test coverage with end-to-end suites.

Projects

Interview Prep | Next.js, Node.js, Gemini API, LangChain, PineconeDB • Developed a full-stack interview preparation platform integrating AI mock interviews, a live coding environment, and resume analysis—used by 58 DePauw students during the Gemini AI Hackathon by Lablab.ai. • Leveraged React Query for efficient API state management, reducing redundant LLM calls by 60% and supporting 100+ practice sessions with real-time feedback.

KonTask | Flutter, Node.js, Next.js, MongoDB, OpenAI • Engineered a mobile-first platform connecting local service providers with customers; integrated a RAG pipeline for intelligent matchmaking, boosting match success by 27%. • Tuned embedding models through iterative feedback, improving search relevance by 24% and reducing query resolution time from 3.8 s to 1.9 s.

DeBuddy | Flutter, Django, PostgreSQL, Socket.IO • Built a campus-map interface for students to create and join walking groups; implemented secure live chat with encoded user IDs. • Integrated Google Maps API for live location tracking and optimized route guidance.

Open-Source Contributor • Optimized F5-TTS (text-to-speech) for Apple Silicon (M1/M2), reducing crash rates on 8 GB RAM devices by 99%.

Technical Skills

Languages: Java · Python · C/C++ · SQL (Postgres, MySQL) · TypeScript · JavaScript · HTML/CSS · R · Go · Ruby Frameworks & Tools: React · Node.js · Flask · FastAPI · Django · JUnit · Material-UI · Flutter · Docker · AWS · Jenkins · Git · Travis CI Libraries & APIs: pandas · NumPy · Matplotlib · TensorFlow · Google Maps API · Stripe API · MetaTrader 5 API