Lehuy Hoang

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EDUCATION

University of California, Berkeley   **Expected May 2027**
Bachelor of Arts, Computer Science   *Berkeley, CA*

WORK EXPERIENCE

Corsair   **May 2025 – Present**
Software Engineering Intern   *City, CA*
- Streamlined product discovery experience for customers with a 23% increase in engagement by architecting server side components that fetch and localize real-time product data from Shopify and Contentful CMS.
- Built an AI agent tool using Google and OpenAI APIs that analyzes content change requests, iterates on update plans, and executes website updates autonomously, reducing ticket resolution time for content tasks by 60%.
- Spearheaded development of Corsair's new design system by engineering reusable React components and collaborating cross-functionally with designers and producers, reducing time to production on product page launches by 30% through standardized UI components across 25+ product pages.

StudyKit   **Aug. 2023 – Present**
Software Engineer   *Pleasanton, CA*
- Led a development team to build a web app that helps 80,000+ students study with LLM-powered features.
- Debugged and analyzed system performance by scaling backend infrastructure to support 100,000+ decks through implementing database indexing using profiling tools like pg_stat_monitor to analyze query bottlenecks.
- Decreased onboarding churn by 50% by integrating PostHog analytics to identify user-interface improvements.
- Increased revenue by 20% month-over-month by integrating a data-driven product iteration approach.

PROJECTS

VoidOne - Web Hosting Platform   **Oct. 2024**
Stack: Golang; TypeScript/JavaScript (React+Next.js+Node.js); HTML; CSS (Tailwind); AWS (S3)
- Designed a web hosting platform for developers to deploy production-ready websites in under 30 seconds.
- Developed an API in Go to integrate cloud storage, CDN, and SSL for automating website deployments and save developers 1+ hours on server configurations.

Transfer Helper - College Planning Platform   **May. 2024**
Stack: TypeScript/JavaScript (React+Next.js+Node.js); HTML; CSS (Tailwind)
- Reduced college transfer planning times by 90% by building a planning website for community college students who previously spent weeks manually researching transfer requirements across multiple institutions.
- Created a novel algorithm to find optimal course pathways by analyzing 250,000+ transfer agreements.
- Developed web program in Node.js to build, query, and serve a 35 GB+ transfer agreement dataset.

Realtime Multiplayer Game   **Feb. 2024**
Stack: TypeScript/JavaScript (Vue 3+Node.js+Express.js); HTML; CSS (Tailwind); WebSockets
- Architected and networked both client and server API of a real-time multiplayer game, supporting up to 100 concurrent players with less than 50ms latency.
- Implemented a server-side physics engine, ensuring 99.9% consistent gameplay for all players measured by a <0.1% divergence rate between clients and server simulations.

SKILLS

- **Languages:** TypeScript/JavaScript, HTML/CSS, Python, Go, Java, C++, SQL, Assembly.
- **Technologies:** React, Next.js, Vue.js, Nuxt.js, Node.js, Express.js, Transformers, Flash, FastAPI, PostgreSQL
- **Tools:** AWS (S3, CloudFront), Git, LLM/AI APIs (OpenAI, Gemini, Anthropic), Shopify, Contentful CMS