

Vinh Bui

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EXPERIENCE

Coding Minds

Coding Instructor

Irvine, CA

April 2025 – Current

- **Deliver one-on-one coding instruction** to K–12 students, tailoring lessons to individual learning styles and skill levels.
- Teach programming fundamentals and problem-solving using **Python** and **Scratch** to build a strong foundation in computer science.
- Introduce students to **mobile app development with Flutter**, incorporating **OpenAI APIs** to build AI-enhanced applications.

ProNetworks

Web Developer / QA

Santa Ana, CA

January 2024 - March 2025

- **Designed and maintained a web-based inventory management system**, implementing data validation and automated checks to ensure accuracy in tracking hardware.
- **Implemented real-time synchronization** between the client and Firebase backend by integrating **Firestore and Authentication APIs**, ensuring accurate inventory tracking and secure user access.
- **Collaborated** with staff to gather feedback on **system usability and iteratively improved features**, resulting in a more intuitive and efficient inventory workflow.

ProNetworks

Inventory Associate

Dec 2022 – January 2024

- Managed **product listings** on eBay, optimizing descriptions, pricing, and customer communication, increasing sales by **50%**.
- Retrieved, packaged, and shipped inventory items, ensuring **accurate order fulfillment**.
- Assisted in **inventory organization and tracking**, maintaining accurate stock records.

PROJECTS

Inventory System | React, Vite, Javascript, Firebase

- **Designed and implemented** a custom **inventory management system** that increased warehouse operational efficiency by reducing retrieval and packaging times.
- **Built a professional, customer-facing interface**, allowing clients to **browse inventory and submit inquiries**, streamlining the sales process.
- **Integrated Firebase for real-time data storage and authentication**, ensuring **99.9% uptime** while securely managing **20,000+ inventory records**.

HotCue Sounds E-Commerce | Next.js, TypeScript, Shopify API, GraphQL, AWS (CDK, Lambda, S3, CloudFront)

- **Built a modern e-commerce platform** for DJs and producers to browse and purchase sound packs, samples, synths, FX, and MIDI packs, demonstrating full-stack development with headless CMS integration.
- **Integrated Shopify's headless storefront API** using **GraphQL** to manage product catalogs, shopping cart functionality, and checkout processes, enabling a decoupled architecture for enhanced flexibility.
- **Deployed application to AWS** using serverless architecture with **Lambda** for backend logic, **S3** for static asset hosting, and **CloudFront** for global content delivery

SKILLS

Programming: JavaScript, TypeScript, Python, C++, HTML/CSS, SQL

Frameworks & Databases: React, Next.js, Vite, Flutter, Tailwind CSS, Firebase, GraphQL, PostgreSQL

Tools & Software: VS Code, Git, Github, AWS (Lambda, S3, CloudFront, API Gateway, CDK), Android Studio

Soft skills: Agile / Scrum, Leadership, Problem Solving, Time Management, Bilingual (Vietnamese)

EDUCATION

California State University, Fullerton

Bachelor of Science, Computer Science

2019-2024