Vinh Bui

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EXPERIENCE

Coding Minds   Irvine, CA
Coding Instructor   *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   Santa Ana, CA
Web Developer / QA   *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**.

Cisco Device Testing Automation Scripts | Python

- **Developed Python scripts** to **automate testing and diagnostics** for Cisco machines, reducing manual testing time by **50%**.
- **Implemented automated logging and report generation**, capturing **detailed test results** to ensure hardware **operational readiness**.
- **Created a user-friendly manual** to standardize test execution, allowing non-technical team members to efficiently run diagnostics.

SKILLS

Programming: Python, JavaScript (ES6+), TypeScript, C++, HTML/CSS, SQL
Frameworks & Databases: React, Next.js, Vite, Flutter, Tailwind CSS, Firebase, PostgreSQL
Tools & Software: Visual Studio Code, Git, Github, Android Studio, XCode
Soft skills: Agile / Scrum, Leadership, Problem Solving, Time Management, Bilingual (Vietnamese)

EDUCATION

California State University, Fullerton   **2019-2024**
Bachelor of Science, Computer Science