Kevin Truong

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EDUCATION

Bachelor of Science in Computer Science   *Graduated August 2024*
Colorado State University, Fort Collins, Colorado

Relevant Coursework: Computer Architecture | Operating Systems | Systems Security | Software Development and Engineering | Networking | Machine Learning | Database Management

PROJECTS

Invoice Manager | *Electron, React, SQLite* | [Github](#)
- Architected a desktop invoicing system to replace a 25-year-old legacy program, improving client management, invoice generation, and payment tracking for a business managing 200+ clients.
- Worked directly with the business owner to map out workflows and iterate on real-world use cases, ensuring the final product aligned with day-to-day operational needs.

Aesthetic Matcher | *Astro, React, Flask, PyTorch* | [Github](#) | [Website](#)
- Launched an ML-powered web app with Astro, React, and Flask to classify images across 1,000+ aesthetics while serving over 200 monthly users.
- Improved classification accuracy by fine-tuning OpenAI's CLIP model on a custom dataset of 20,000+ images using PyTorch and Hugging Face Transformers.

Personal Portfolio | *Astro, Node.js, Nginx* | [Github](#) | [Website](#)
- Developed a centralized portfolio hub webpage with Astro, React, and Node.js to consolidate 6+ personal projects and API endpoints under one domain to simplify project maintenance, reduce deployment overhead, and avoid multi-domain hosting costs.

Trip Planner | *React, Java Spring, MariaDB* | [Github](#)
- Collaborated on a 5-person Agile team to develop a full-stack route optimization application using React, Java Spring, and MariaDB, achieving over 90% test coverage verified through Jest and JUnit.

Picture To Playlist Converter | *React Native, Node.js, Flask* | [Github](#) | [Website](#)
- Built a mobile/web app using React Native, Node.js, and Flask that converted user-uploaded images into personalized Spotify playlists applying zero-shot image classification across 2,000+ music genres.

Job Search Assistant | *Angular, Node.js, Gemini* | [Github](#) | [Website](#)
- Engineered an AI-powered job search assistant with Angular, Node.js, and Google's Gemini AI to help users draft higher-quality, personalized cover letters and resumes based on uploaded documents and job preferences.

EXPERIENCE

Full-Stack Software Engineer   *June 2024 - Present*
Freelance & Personal Projects
- Self-hosted and maintained 5+ full-stack web apps on a personal Ubuntu server, implementing firewall configurations, routine vulnerability scans, and resource monitoring/management, ensuring uptime, performance, and security.
- Designed responsive, accessible user interfaces/experiences across web, mobile, and desktop platforms.
- Integrated 10+ RESTful API endpoints, refactored database schemas and queries to improve performance, and automated deployments with custom GitHub Actions workflows for efficient, reliable releases.
- Coordinated with clients to understand project requirements, provide technical guidance, and deliver customized solutions aligned with their needs.

CERTIFICATIONS

CompTIA Security+ Certification   *Issued December 2023*

Relevant Skills: Cybersecurity Concepts | Threat Mitigation | Security Architecture

ADDITIONAL

Languages: Python | JavaScript | TypeScript | SQL | HTML | CSS | Bash | Java | C | C++

Frameworks & Libraries: Astro | React | Flask | Node.js | Express.js | React Native | Electron | TailwindCSS

Tools & Platforms: Linux | MacOS | MySQL | SQLite | Docker | Nginx | GCP | Postman | Git | Code Climate | Figma