JIMMY ZHANG

FULL STACK DEVELOPER

✉ jimmyzhang1@hotmail.com · 🌐 jimmyzhng.com · ☎ 7788930800 · 📍 Richmond, BC · in www.linkedin.com/in/jimmyzhng · jimmyzhng

SUMMARY

Full-stack developer with strong expertise in building web applications from concept to deployment, including backend API development, AI integrations, and cloud-based infrastructure. Proven experience in enterprise-level AI projects, leveraging AWS, LLM APIs, and scalable architectures. Adept at collaborating with cross-functional teams and delivering high-quality code. Seeking a backend-focused role with opportunities to work on AI-powered applications, backed by a passion for innovation and continuous learning.

EXPERIENCE

Originality.AI

Full Stack AI Web Developer (Contractor On-Call) · Jan. 2024 to July 2024 · Collingwood, ON

- Implement critical updates and resolve complex bugs, significantly improving stability and speed of web applications built previously during full-time employment
- Utilize a diverse tech stack, including JavaScript, PHP, and Python to develop and maintain features, enhancing user experience and functionality
- Complete development tasks on an as needed basis through close collaboration with the CEO

Jr Full Stack AI Web Developer (Full-Time) · Aug. 2023 to Dec. 2023 · Collingwood, ON

- Developed AI-powered web tools using a full-stack architecture, integrating Vue.js and PHP for a responsive full-stack experience
- Managed and built 4 projects from concept to launch, including market research, development, and deployment
- Collaborated with the team to conceptualize unique ideas for web tools, and conduct market research to identify gaps and opportunities
- Engineered web scraper scripts to conduct extensive studies on AI crawler bots that were used in articles published by Axios, Business Insider, Digiday, and more
- Write SEO-optimized articles and create video demos for the company's website that discuss the problems solved by the tools, effectively serving as launch content

Telus International AI

Online Data Analyst · Aug. 2022 to June 2023 · Vancouver, BC

- Completed research and evaluation tasks in a web-based environment to improve the content and quality of digital maps
- Verified and compare data to determine the relevance and accuracy of information, and to enhance Telus' AI and machine learning models
- Applied Telus' learning models to display strong research and analytical skills, resulting in an average accuracy rating of 87% for assigned tasks

PROJECTS

jimmyzhng.com (v2) · Sept. 2024 to Present

- Developed a visually engaging, updated portfolio website to showcase projects and skills, enhancing personal branding and online presence.
- Utilized modern web technologies including TypeScript, React.js, Next.js, and Three.js to create an interactive user experience.
- Implemented responsive design with TailwindCSS and animations using Framer Motion, ensuring a seamless experience across devices.
- **Tech Stack**: **TypeScript, React.js, Next.js, Three.js, TailwindCSS, Framer Motion**

Finance Dashboard · Sept. 2024

- Developed a web application designed for managing financial operations, including invoice creation, revenue tracking, and customer data management
- Intuitive interface supporting CRUD operations (Create, Read, Update, Delete) for invoices, equipped with search functionality and pagination for efficient data navigation.
- Secure user authentication with encrypted login credentials, ensuring data privacy through server-side validation and robust session management.
- **Tech Stack**: **Next.js. TypeScript, React.js, TailwindCSS, PostgreSQL, Vercel, BCrypt**

AI Web Crawler Dashboard · Oct. 2023 to July 2024

- Web scraping application that tracks the robots.txt files of the top 1000 websites to analyze the blocking behavior for AI web crawler bots
- Managed and built the project individually, including the planning, design, execution, and monitoring
- Developed and implemented the automation of web scraping scripts that identifies a website's robots.txt file status, distinguishing between allowed access, complete blockage, and partial blockage
- Designed a Python web scraper utilizing a binary search algorithm to identify the date that a website blocked a given web crawler bot
- Implemented daily real-time updates through cron jobs and deployed the application with AWS S3 & RDS
- **Tech Stack: Vue.js, PHP, Python, MySQL, AWS, Vuetify, Apex Charts**

Sentence Rewriter · Nov. 2023

- Developed a GPT-powered web tool for rewriting sentences, enhancing user engagement to bring traffic to the main company's application.
- Implemented features allowing users to upload URLs or files for content parsing, providing a seamless experience for input customization.
- Enabled users to tailor outputs with selectors for language, tone, and length, offering flexibility in content generation.
- **Tech Stack**: **Vue.js, PHP, OpenAI API, Vuetify, HTML, CSS**

AiSpy · Apr. 2023

- Developed a web application that provides a platform for users to manage a simulated network of surveillance cameras for a building.
- Real-time analytics of footage provided by object detection in the simulated livestreams, achieved with the Coco-SSD model of TensorFlow.js
- Integrated real-time graphing of the detection data, along with live alerts for sound detection and motion
- Ensured security for logins with bcrypt-hashed passwords and express-session for session management
- **Tech Stack**: **React, Express, Node.js, TensorFlow.js, PostgreSQL, AWS S3, Web Audio API, Apex Charts**

EDUCATION

Lighthouse Labs · Feb. 2023
Diploma of Web Development

University of British Columbia · June 2022
B.A. in Economics, Minor in Commerce