

# Jimmy Zhang

jimmyzhang1@hotmail.com | (778) 893-0800 | Richmond, BC | [jimmyzhng.com](http://jimmyzhng.com)

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## WORK EXPERIENCE

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### Outlier AI

Oct. 2024 – Present

*Coder (AI Training Freelance Contractor)*

*Remote*

- Evaluate and improve code-based AI outputs across JavaScript, Python, and HTML/CSS prompts
- Contribute to the development of large language models from companies including OpenAI, Meta, Google, Microsoft and more
- Maintain exceptional attention to detail in a high-precision environment with rigorous standards for accuracy, consistency, and feedback quality.

### Originality.AI

Aug. 2023 - Jul. 2024

*Full Stack AI Web Developer (Contractor) | Jan. 2024 - July 2024*

*Remote*

- Implemented critical updates to improve stability and speed of applications.
  - Optimized web scraping script performance, reducing completion time by 33%
- Maintained and extended features using a multi-language stack (JavaScript, PHP, Python), improving usability and system reliability
- Collaborated directly with the CEO to prioritize and execute development tasks with minimal turnaround time

*Jr. Full Stack AI Web Developer (Full-Time) | Aug. 2023 - Dec. 2023*

- Independently designed, developed, and launched 3 AI-powered web tools—handling everything from market research and UI/UX design to full-stack development and production deployment
  - **Stack:** JavaScript (Vue.js), PHP (backend), Python, MySQL, AWS, HTML, CSS, OpenAI
- Engineered web scraping scripts for AI bot detection research, resulting in media coverage by Axios, Business Insider, and Digiday
- Produced SEO-optimized articles and video demos to support product launches and enhance user onboarding

## EDUCATION

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### Lighthouse Labs

Feb. 2023

*Diploma of Web Development*

*Vancouver, BC*

### University of British Columbia

May 2022

*B.A. in Economics, Minor in Commerce*

*Vancouver, BC*

## PROJECTS

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### AI Web Crawler Dashboard

*JavaScript (Vue.js), PHP, Python, MySQL, AWS, Vuetify*

- Full-stack web scraping application that tracks the robots.txt files of the top 1000 websites to analyze the blocking behavior for AI web crawler bots
- Independently planned, designed, developed, and maintained the project from end to end
- Automated the classification of robots.txt files to detect full, partial, or unrestricted access for AI bots, using scheduled cron jobs to run scraping scripts consistently
- Stored and queried scraped data with a MySQL database hosted on AWS RDS using PHP for real-time analysis
- Visualized results in a dynamic, live dashboard using interactive charts and tables for clear insights

### AI Portfolio Chatbot

*TypeScript, React, Express, LlamaIndex.ts, OpenAI, HTML, CSS*

- AI-powered chatbot built for my website to answer questions about my background, skills, and projects
- Integrated retrieval-augmented generation to ingest and index personal data, enabling contextually accurate responses to user questions
- Built Express backend with TypeScript to handle chat requests, manage API calls to OpenAI, and serve vectorized document data

### Finance Dashboard

*TypeScript, Next.js, ReactJS, MySQL, TailwindCSS, PostgreSQL, Vercel, BCrypt*

- 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 logins, ensuring data privacy through server-side validation and session management.

## TECHNICAL SKILLS

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- **Languages:** JavaScript/TypeScript, Python, PHP, Ruby, HTML, CSS
- **Frameworks:** ReactJS, Vue.js, Node.js, Next.js, Express, TailwindCSS, Vuetify, jQuery, SASS, EJS, Rails
- **Testing, Systems, & Databases:** Jest, Storybook, Cypress, Mocha, Chai, MySQL, PostgreSQL, MongoDB, Git, AWS, Excel, Sheets