

Jacky Zhong

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Education

University of British Columbia

Bachelor of Science in Statistics

Vancouver, BC

Sept 2023 – May 2027

Open Source: Apache Lucene, Gemini CLI, OpenCLI, Alook

Relevant Coursework: Systematic Design, Models of Computation, Software Construction (OOP), Distributed Systems

Extracurricular: **Cursor Ambassador**, UBC Startups Partnership Director, UBC IGEM Web Developer

Experience

Motorola Solutions

Software Engineer

Vancouver, BC

May 2026 – Dec 2026

- Worked on the localization engineering team, building automation and **QA** tooling for **20+ products in 35+ languages**.
- Proposed and implemented an **agentic visual localization QA system** using **Playwright** and a multimodal **LLM** agent to walk product UIs across locales, flagging overflow, truncation, and mistranslation, advanced to an official pilot after a leadership demo.
- Built an **LLM translation-quality evaluation pipeline** with **LLM-as-a-Judge** scoring machine-translated strings against brand style guides, replacing external-vendor UI review and saving **\$3,000+** in outsourced testing costs every quarter.
- Shipped a **pseudo-localization preview tool** adopted by product teams to catch layout breaks before translation handoff.

Raft

Developer Relations Engineer, Part-time

Remote

May 2026 – present

- Owned and grew a **5,000+ member developer community** as its sole operator by resolving technical questions, fostering member engagement, producing educational content, and translating user feedback into shipped product improvements.
- Built an **autonomous agent production loop** that navigated the product, recorded walkthroughs, edited footage, and published **10+ videos** end to end, reducing production time from **15+ hours to 30 minutes** per video with only final human approval.
- Built a **feedback pipeline** that automated triage for **100+ reproducible issues** and supported **30+ merged pull requests**.

Nolibox AI

Software Engineer Intern

Remote

July 2025 – Oct 2025

- Built AI-powered agent using **FastAPI** and **Agent SDK**, enabling professionals to generate high-quality LinkedIn content.
- Developed streaming endpoint using **SSE** and **Stream Runner**, providing real-time responses that enhanced user experience.
- Migrated prompts to **Langfuse**, reducing iteration time by **95%** through redeployment-free updates for production environment.
- Built trace evaluation pipeline with **Annotation Queue** and **LLM-as-a-Judge**, cutting text irrelevancy by **90%** successfully.
- Optimized token usage through prompt engineering, reducing operational costs by **40%** while maintaining response quality.

Workus AI

Software Engineering Intern

Shenzhen, China

Mar 2025 – July 2025

- Developed B2B AI Sales Agent using **Spring Boot** to streamline customer acquisition for supply chain factories consistently.
- Refactored legacy business logic with **MyBatis**, improving performance and cutting code redundancy by **50%** significantly.
- Engineered caching mechanisms using **Redis**, accelerating data fetching by **5x** for high-frequency time-sensitive API endpoints.
- Cached API responses via **localStorage** with timestamp validation, reducing **78%** redundant requests measured by Lighthouse.
- Implemented **REST APIs** handling **10,000+** daily requests with **sub-200ms** response time for critical business operations.

Projects

Job-Bot | Python, Browser-Use, FastAPI, PostgreSQL, Docker

Dec 2025

- Built AI-powered browser agent automating end-to-end job applications using **Browser-Use** and **Claude** for form filling.
- Built **service mode** with **PostgreSQL** for batch processing, supporting **concurrent browser sessions** with lease-based lock.
- Implemented smart ATS detection for Workday, Greenhouse, Lever, and Ashby, covering **90%+** of postings with specific rules.
- Engineered **tool use** and **context management** pipeline with structured data extraction, achieving **85%** success in **3** retries.

Skills

Languages: Python, TypeScript, JavaScript, Java, MySQL, PostgreSQL, HTML, CSS, R, C++

Frameworks: FastAPI, Flask, Spring Boot, React, Next.js, Node.js, Express, Django, Angular, Vue.js, Redux

Cloud & DevOps: AWS (Lambda, EC2, S3, ALB, Bedrock), Supabase, Firebase, Vercel, Docker, Kubernetes

Tools: Git, GitHub, Redis, MongoDB, Elasticsearch, RabbitMQ, Jenkins, Nginx, Linux, Agile

AI/ML: TensorFlow, OpenCV, MoveNet, LangChain, Langfuse, Vector Embeddings, LLM APIs