

## XIAOHONG XU

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Github: <https://github.com/jokerbone2001>  
Portfolio: <https://www.jokerbone.ca>

### Education

**Simon Fraser University, Burnaby, BC**

Sep 2019 - June 2024

- B.Sc. in Computer Science

**University of Waterloo, Waterloo, ON**

Sep 2024 - Oct 2025

- Master of Engineering in Systems Design Engineering

### Technical Skills

Programming Languages: C/C++, Java, TypeScript/JavaScript, HTML/CSS, Python  
Frameworks: React/React Native, Nextjs, Express.js/Node.js, Spring Boot/MyBatis  
Databases & Cloud Services: MySQL, MongoDB, Redis, AWS (EC2, Amplify, S3), Microsoft Azure, Git  
Development Tools & Environments: Visual Studio Code, IntelliJ, PyCharm, Android Studio, Jupyter Notebook

### Professional Experience

**Batchship.Inc. (MERN Stack, Postman, Redux, JWT, AWS (S3, EC2), CircleCI, PM2, REST)**

Feb 2024 – Nov 2024

Full-Stack Engineer Intern

- Integrated APIs from multiple carriers (UPS, USPS, Amazon, GLS, FedEx), enhancing shipping service support for a warehouse management system used by 100+ business clients.
- Developed key features including single/batch order uploads, shipments rate calculations, online payments system (Stripe API), and order synchronization with platforms like Shipstation and TikTok, streamlining order processing and cutting task completion time by 60%.
- Collaborated with UI/UX designers to design and deploy a responsive and visually appealing company landing page.
- Built secure, scalable APIs for third-party carrier integrations and provided client support, resolving technical issues such as failed shipments, API integration challenges, and creating detailed developer documentation..

**LeGT.ai (LLMs, Next.js, Express.js, OpenAI API, MongoDB, PDF decoding/automation)**

Nov 2023 – Feb 2024

Web developer Intern

LeGT.ai, a startup leveraging artificial intelligence to streamline client intake, legal assistant, and document generation processes for legal professionals.

- Spearheaded the automation of the H1B visa application process, reducing manual effort by 50% through form validation, regex, and automated PDF data entry.
- Implemented O-1 template generation through ChatGPT API and document upload pipeline, enabling dynamic drafting for legal teams

**Hackhub (MERN Stack, AWS (S3, EC2), Vercel, Bootstrap)**

Aug 2023 - Jan 2024

Software Engineer Co-op

- Collaborated with UI/UX designers to develop a responsive website for HackHub's kids robotics programming platform and 2023 HackHub Hackathon competition landing page, showcasing program details, registrations, and event resources.
- Enhanced and maintained the full-stack platform for the 2023 HackHub Hackathon, enabling seamless participant submissions and scoring for 500+ contestants and judges. Successfully supported a dual-location Hackathon event at UW at Seattle in USA and Nanjing University of Aeronautics and Astronautics in China, coordinating a platform used globally.

### Freelance

**Sonwly App (MERN stack, React Native/Admin, Spring Boot/Mybatis, MySQL, Redis, OpenAPI)**

Sep 2024 - May 2025

Full Stack Developer – Independently developed, launched, and maintained a WeChat mini-app and a React Native mobile app.

- Built a WeChat mini-app, later expanding to a React Native mobile app with display 10+ ski resort data, real-time group chats, social interaction (follow, like, posts, chat, share) and an e-commerce platform with merchant admin dashboards.
- Designed and deployed the Spring Boot/MyBatis backend, secured with JWT/OAuth, managed MySQL/MongoDB databases, integrated Redis for caching and optimizing e-commerce transactions, and implemented FCM push notifications for real-time alerts on order updates and social interactions of message notifications.
- Developed and deployed Selenium & BeautifulSoup scripts on AWS EC2 to automate ski condition extraction from 10+ resorts, providing real-time updates for **4,000+ skiing enthusiasts** in BC and California.

**Promatch (LLMs, Next.js, Express.js, Qwen and Xfyun API, MongoDB, Prompt Engineering)**

Sep 2024 - Nov 2024

Team Leader - Led a team of 2 developers in building ProMatch, an advanced AI-powered (ATS)

- Led a team of two developers using the waterfall methodology to deliver a robust, AI-driven ATS platform within schedule. Designed and built a custom LLM interaction layer (pre-LangChain era) that enabled HR users to manage job descriptions, interviews, job positions and candidate profiles entirely via a conversational interface.
- Developed an AI interview experience where candidates engaged in simulated HR conversations. Integrated real-time speech-to-text via Xfyun API and automated response evaluation with Qwen LLM. Engineered prompts using chain-of-thought reasoning, dynamic context, and structured output to convert natural language into backend-ready JSON, enabling accurate downstream API execution with over 90% functional precision.