

# Jason Xu

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## EDUCATION

### University of Waterloo

*Bachelor of Applied Science in Computer Engineering*

Waterloo, ON

*Present*

## SKILLS & CERTIFICATES

**Programming Languages:** JavaScript, TypeScript, HTML/CSS, Python, Java, C++, Bash

**Frameworks:** React.js, Next.js, Astro, SvelteKit, Node.js, Express, FastAPI

**Developer Tools:** Git, Docker, Redis, MongoDB, PostgreSQL, SQLite, Firebase, Twilio, Deepgram

## PROJECTS

### AI Job Match | *Node.js, React.js, LLama AI, Puppeteer*

Oct. 2024 – Present

- Automated job data collection of **500+** jobs at a time using Puppeteer and Node.js
- Created AI Agent for analysis of job compatibility with given Resume for interfacing as an API
- Implemented a front end for AI API using React.js and HTTP Streams

### BoxFind | *Typescript, Node.js, SvelteKit, MongoDB, Sharp, Docker*

June 2023 – Present

- Developed a full-stack web application with SvelteKit and MongoDB to reduce item retrieval time by **48%**
- Reduced storage requirements by up to **57%** using Sharp for compression and resizing
- Leveraged Docker for deployment management, ensuring consistent and efficient deployment

## EXPERIENCE

### Full Stack Developer Intern

Feb. 2025 – Apr. 2025

*Financial Modeling Prep*

*Toronto, ON*

- Created earnings call module utilizing Twilio VoIP Dialing, increasing earning call coverage by **27%**
- Implemented RAG model using OpenAI and MongoDB Atlas Vector Search, reducing support threads by **62%**
- Reduced team hunger by **38%** through preperation of seared pork belly

### R&D Intern

June 2024 – Aug. 2024

*Asiacom Americas*

*Sterling, VA*

- Created comprehensive IT training presentations on cloud computing and virtualization technologies
- Designed and illustrated complex diagrams to effectively visualize complex cloud concepts
- Demonstrated autonomy and self-management, delivering high-quality results with minimal supervision

### Online Shopfront Admin / R&D Engineer

Nov. 2021 – June 2022

*Lumeria Clothing*

*South Riding, VA*

- Created inventory management app with Puppeteer and Firebase, decreasing out-of-stock duration by up to 34%
- Orchestrated online store operations, ensuring seamless functionality, performance, and customer engagement
- Worked closely with CEO to translate strategic visions into actionable plans and initiatives

## EXTRACURRICULAR ACTIVITIES

### Freedom High School Computer Science Honor Society Vice President

April 2023 – May 2024

- Organized Officer Meetings to plan school-wide events
- Coordinated Events with other schools such as District-wide Hackathons
- Managed monthly meeting member attendance records for 100+ members

### Freedom High School Percussion Section Co-Captain

June 2023 – May 2024

- Mentored and coached 20+ team members to enhance their skills and performance
- Conducted regular inspections and maintenance checks to ensure optimal functionality of 30+ pieces equipment

### Harvest Church Tech Youth Leader

June 2018 – June 2024

- Developed new website for Youth Program, increasing website traffic
- Coordinated equipment setup and configuration to meet the specific needs for every meeting