

Robert Xing

(+1) 226-752-9222 | rxing.hba2026@ivey.ca | [linkedin.com/in/robertxing2004](https://www.linkedin.com/in/robertxing2004)

EDUCATION

Western University, Ivey Business School

Expected April 2027

Bachelor of Engineering Science, Software Engineering

Honours Bachelor of Arts, Business Administration (Ivey HBA)

- Awards: Scholarship of Distinction (\$3,500), Dean's Honours List (2023, 2024)
- Courses: Algorithms & Data Structures, Discrete Mathematics, Linear Algebra, Digital Logic Systems

TECHNICAL SKILLS

Tech Stack: Python, JS/TS, Java, C++, C#, HTML/CSS, SQL, Rust, Docker, React

Tools: MongoDB, PostgreSQL, Firebase, Pandas, Figma, MATLAB, Unity, Ollama, Selenium, GitHub, Jira, MkDocs

EXPERIENCE

Ivey Business School

Research Assistant, Data Scientist | Python, Pandas, Ollama

Feb 2025 - Present

- Exploring how LLMs can evaluate user responses on Q&A and review websites to improve information quality
- Developed automation scripts assessing the proficiency of 8 LLMs in natural language understanding

Agora Tutoring

Software Engineer Intern | React, Firebase, Redis, Vercel, GraphQL

Feb 2025 - Apr 2025

- Redesigned landing page to improve CTA and highlight key product information, **increasing sign-up rate by 29%**
- Streamlined user experience by optimizing signup flow using A/B testing, **reducing abandonment by 13%**

Kumon Waterloo-Laurelwood

Assistant Instructor

Jun 2024 - Aug 2024

- **Mentored 15+ newcomer students** with attentive 1-on-1 guidance, leading to a **retention rate of over 95%**
- Monitored class sessions with attention to detail, providing personalized assistance, clarifying complex concepts, and fostering self-learning skills, contributing to an **increase in honour roll achievement of over 20%**
- Marketed the program to parents during orientation sessions, gaining **25+ new enrolments over two months**

EXTRACURRICULARS

FlyByWire Simulations

Software Developer | Javascript, Typescript, Rust, Docker

May 2024 - Dec 2024

- Rewrote flight computer algorithm governing optimal cruise altitude calculation, **resulting in fuel savings of 10%**
- Refactored legacy Javascript using a modern Typescript framework to minimize re-renders, **reducing stutters by 28%**
- Collaborated with aircraft engineers to verify simulation accuracy through system and integration testing, **enabling deployment of 20+ features** via GitHub and **gaining 300K+ downloads in 3 months**

Western Founders Network

Vice President of Marketing

Aug 2024 - Present

- Led public relations for the largest tech and entrepreneurship club on campus by managing a team of 8 executives
- **Coordinated 6+ promotional campaigns** on Instagram Reels, **increasing event attendance by 30%**
- Streamlined marketing workflow for 60 club executives by designing Kanban board and calendar system, reducing average turnaround of content creation and graphic design tasks by 3 days

PROJECTS

[Debrief](#) | NextJS, Tailwind, PostgreSQL, Cohere Chat API

- Built full-stack chatbot allowing user to converse with 6 predefined characters with distinct personalities
- Designed OAuth flow using Lucia, supporting functions such as data fetching, app routing, and session handling

[Flock](#) | Flask, PyTorch, MongoDB, Auth0

- Trained CLIP-EBC crowd-counting model on ShanghaiTech dataset, **achieving <7% MSE**
- Developed websockets supporting 5 simultaneous video feeds to enable crowd density monitoring with <10s latency