

Joseph Liao

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Education

Queen's University

Bachelor of Computer Science, Honors

Kingston, Ontario

Sep 2022 – May 2026

Technical Skills

Languages: TypeScript, JavaScript, Python, Go, Dart, Python, Java, SQL

Frameworks: React, Angular, React Native, Next.js, Apache Spark, PostgreSQL, TensorFlow, LangChain

Tools: Gumloop, Google ADK, Databricks, n8n, Figma, Adobe Creative Suite

Work Experience

Software Engineer, AI Operations Lead

Taiv (YC-backed, Series A)

Winnipeg, Manitoba

Jan 2025 – Jan 2026

- Shipped over **100,000+ lines of production code** across various systems in 8 months
- Developed **12+ internal tools and agents** with Next.js, Supabase, and various APIs to support sales and operations teams
- Built **5+ Slack automations** that reduced task completion time, saving 10+ hours daily across multiple teams.
- Designed multiple agentic AI systems for customer acquisition and support, interacting with **2000+ restaurants** and contributing to **420%+ YOY company growth**
- Built a unified AI tools dashboard with consistent internal usage of **800+ monthly sessions**

Software Developer (Contract)

Larus Technologies

Ottawa, Ontario

Sept 2025 – Present

- Top contributor to the ScenarioGPT frontend, responsible for 80%+ of the codebase
- Consulted directly with the **Canadian Armed Forces, RMC, and CAE Aviation** to architect SGPT use cases
- Designed and implement 10+ high fidelity mock ups in Figma to optimize UX

Software Developer Intern

TD Bank Group

Toronto, Ontario

Jan 2026 – May 2026

- Implemented **3** real-time fraud detection pipelines processing over **2 million Kafka events per day**.
- Collaborated with cross-functional teams to onboard 3+ new data sources.
- Maintained GTB, MRA41, DVS Pipelines using Apache Spark and Azure Databricks

Co-founder, Lead Developer

Local Reach (Acquired by Taiv)

Kingston, Ontario

Jan 2024 – Jan 2025

- Co-founded a AI startup focused on TV content optimization, resulting in a **5-figure acquisition**
- Raised over **\$50,000** in seed funding and achieved **\$2,000+ MRR** within 5 months
- Developed proprietary commercial detection algorithm with **96%+ accuracy** using OpenCV and Tensorflow
- Prototyped a custom device, featuring custom circuitry, casing, and Raspberry Pi firmware, deployed on 10+ TVs

Projects & Achievements

Hackathons & Competitions

- Competed in **14+ hackathons**, placing **1st at HackMIT** ("Most Marvel-ous Hack"), **Best UI/UX at HackTheHill**, and **3rd at HawkHacks** (NEAR blockchain), plus 7+ additional top 10 finishes
- 1st Place at Mayor's Innovation Challenge 2024 for 'BaoBab' resulting in **\$5,000 of seed funding**
- 2023 GMTK Game Jam: ranked **Top 5%** (299/6,700+ entries)

Your Plate | LangChain, fastAPI, React Native

- Developed a personal LangChain agent to tag and categorize restaurants from Instagram reels
- Used Leaflet.js to map the restaurants and RAG agent to provide recommendations given a prompt
- Saved and categorized over 50+ reels and restaurants

Leadership & Involvement

InQubate (Queen's Startup Incubator), Tech Consultant

Mar 2024 – Present

QMIND (Queen's AI Club), Director of Marketing

Mar 2024 – Present

Queen's University Wrestling Team, Varsity Athlete

Sep 2022 – Present