

TIMOTHY HAN

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EDUCATION

Western University

London, ON

BSc, Computer Science

Expected Fall 2027

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Computer Organization & Architecture, Systems Programming, Databases I, Western AI Hackathon ("Data Quest")

WORK EXPERIENCE

Samsung Electronics

Mississauga, ON

Business Systems Analyst Intern, MX B2B - Internship

Apr 2024 - Sep 2024

- Analyzed weekly sales, forecast, and promotion datasets to identify performance gaps and maintain 95%+ forecast accuracy
- Built standardized reporting workflows for tracking product launches, promotional activity, and account performance across 10+ product lines
- Conducted 20+ market and account analyses to support data-driven product, pricing, and go-to-market decisions
- Collaborated with four cross-functional teams to translate business requirements into clear operational workflows and deliverables

Western AI

London, ON

Internal Affairs Executive

2025-2026

- Coordinated operations and communications across 5+ executive teams improving collaboration and team workflows
- Supported 10+ AI events and initiatives reaching 100+ students, managing logistics and internal coordination
- Contributed making executive decisions on club strategy, programming, and organizational growth

PROJECTS

TextGem AI (AI SMS Chatbot) - Flask, Twilio, Google Gemini API

- Engineered an AI-powered SMS assistant to handle real-time, automated natural-language conversations over SMS
- Built secure, fault-tolerant message-processing pipelines with request validation, exception handling, and secrets management
- Integrated low-latency model inference with SMS dispatch for production deployment

OutFit Gym Operations Platform - React, TypeScript, ASP.NET Core Web API, SQLite, Entity Framework Core

- Built a full-stack fitness club operations platform to manage club locations, class sessions, member bookings, check-ins, and dashboard metrics
- Developed REST API endpoints using ASP.NET Core Web API and Entity Framework Core to support CRUD operations and real-time operational summaries
- Created a React and TypeScript frontend with reusable components for club management, class scheduling, booking cancellation, check-ins, and dashboard reporting

Sagard Signal- ChatGPT API, Loveable, Zapier (n8n)

- Built an AI screening tool that turns company (Sagard) descriptions into structured investment summaries and recommendations for Sagard investors to use
- Automated company intake by connecting a web app form to Google Sheets through Zapier
- Designed a dashboard to help users review, compare, and prioritize startups for deeper evaluation

SKILLS

- **Data & Analytics:** Python, SQL, MySQL, Excel, Power BI, Generative AI, LLM APIs
- **Software & Systems:** Java, JavaScript, C++, PHP, Git, GitLab, Qt, Swing, REST APIs, Microsoft Azure, Power Automate