Ryan Chwiecko

RyanChwiecko10@gmail.com | linkedin.com/in/ryan-chwiecko | github.com/rChwiecko
London, ON, Canada | **Canadian Citizen, TN Visa Eligible**

Education

University of Western Ontario Expected April 2027
Bachelor of Science, Computer Science (Co-op) | GPA: 3.9 | Dean's Honour List 2022–2024 *London, ON*

Experience

J.D. Power May 2025 – Aug 2026
Software Engineer Intern (15 months) *London, ON*

- Developed full-stack features for an **external, vendor-facing BI and analytics platform** through its **production launch**, including a **lender-merge feature** spanning **React** UI components, **Spring Boot** REST endpoints, and the backend SQL queries behind them
- Engineered an automated **CCPA compliance pipeline** that processed ~**600K consumer deletion requests**, using encrypted user lookups to locate and purge personal data across enterprise datasets
- Built a search and query tool on **BigQuery** over **50M+ records**, giving analysts self-serve data access
- Developed production **PySpark** and **Azure Data Factory** ETL pipelines ingesting ~**2M rows/day** from external vendors, with automated data-quality validation for downstream teams
- Migrated legacy **Oracle SQL** to cloud-native queries for pipeline reprocessing, and built a **Python** tool that parses pipeline JSON configs to extract task definitions

Projects

LLM Engineering Projects | *Headstarter AI Fellowship; Python, Pinecone, Hugging Face* Aug 2024 – Apr 2025

- Built an **agentic coding assistant** that retrieves codebase-aware context to autonomously edit source files and generate project-specific code completions
- Implemented a **retrieval-augmented generation (RAG)** pipeline with Pinecone and Hugging Face embeddings, using document chunking and semantic search to ground LLM responses in source material

Serverless MCP Orchestrator | *AWS ECS Fargate, Lambda, S3, Python* Jan 2026

- Designed on-demand **MCP server infrastructure** on ECS Fargate, decoupling stateless compute from S3-backed session storage so containers provision on demand, shut down when idle, and restore user sessions
- Built direct-to-S3 uploads with **Lambda-issued presigned URLs**, giving clients scoped, temporary storage access without exposing credentials or proxying file data through the backend

VeggieTerria | *1st Place, Consensus 2024 Hackathon; Python, OpenCV, MediaPipe, Google Cloud Vision* May 2024

- Built a computer-vision pipeline detecting vegetable consumption from video to drive a gamified rewards app

Leadership

Computer Science Undergraduate Society (CSUS) Aug 2026 – Present
VP of External Affairs *London, ON*

- Secured speakers from **Amazon, Google, Microsoft, and Lyft** for technical career talks; lead a team of 3 directors running corporate outreach and industry partnerships

Google Developer Group (GDG) Dec 2024 – May 2025
Technical Executive *London, ON*

Hackathon Awards

HackUTD (Dallas): Best Use of SambaNova; Best Use of Streamlit (MLH)
Consensus 2024: 1st Place, Robonomics and Unique Network tracks; 2nd Place, Polkadot

Technical Skills

Languages: Python, Java, TypeScript, JavaScript, SQL, C/C++
Frameworks: React, Next.js, Spring Boot, Node.js/Express, Flask
Cloud & Data: AWS (ECS, Lambda, S3), GCP BigQuery, Azure Data Factory, PySpark
DevOps: Docker, Kubernetes, GitLab CI/CD
AI/LLM: LLM APIs (Anthropic), RAG, Pinecone, Hugging Face, LangChain
AI Dev Tools: Claude Code, GitHub Copilot, ChatGPT, Claude