

DANIEL OLOYEDE

Software Engineer

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PROFESSIONAL SUMMARY

Computer Science graduate (Thompson Rivers University, graduated with Distinction, CGPA 3.8/4.33) with hands-on experience designing and shipping three full-stack systems end-to-end—from data modelling and API design to containerised deployment and automated testing. Strong foundation in data structures, algorithms, and software engineering practices, with a track record of building secure, well-tested applications across backend, frontend, and applied-AI domains. Comfortable owning a feature from architecture through production deployment.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Go, Java, C++, SQL

Backend & APIs: FastAPI, Node.js, Express, REST API Design, SQLAlchemy, Pydantic, JWT Authentication

Databases: PostgreSQL, MySQL, SQLite, MongoDB, Firebase Realtime Database, Prisma ORM

Frontend: React, TypeScript, HTML5, CSS3

Cloud, Tools & DevOps: Docker, Git, GitHub, Pytest, CI/CD-ready workflows, Linux, VS Code

Applied AI/ML: RAG, FAISS, Sentence Transformers, Local LLM Integration (Ollama), OpenCV, YOLOv5

CERTIFICATIONS

Introduction to Generative AI — Google Cloud | **Introduction to Large Language Models** — Google Cloud | **AI for Data Analysis** — Google | **Introduction to Python** — Coursera | **AI Fluency: Framework & Foundations** — Anthropic | **AI Fluency for Builders** — Anthropic | **Claude Code 101** — Anthropic

PROJECTS

[RadarBot—Real Estate Chatbot Platform](#) | *Python, FastAPI, SQLAlchemy, JWT, Docker, Pytest*

- Architected a full-stack application with a hybrid retrieval pipeline combining structured SQL filters with semantic vector search, powering natural-language property search.
- Implemented multi-turn conversation state, a full CRUD admin dashboard with image uploads, and JWT-secured REST endpoints for end-to-end listing management.
- Containerised the full stack with Docker for reproducible one-command deployment and authored a Pytest suite covering core retrieval and safety-check logic.
- Extended the MVP with listing comparison, mortgage estimation, and scheduled-viewing features to mirror production real estate tooling.

[MillPresenter—Computer Vision Detection System \(Capstone\)](#) | *Python, OpenCV, PySide6*

- Engineered a real-time detection and classification application for industrial video streams, replacing a fully manual visual-inspection process.
- Built a PySide6 desktop interface surfacing live detection results for non-technical operators, with no engineering support required to monitor output.

[Football Analyzer — Full-Stack Analytics Platform](#) | *React, TypeScript, Node.js/Express, Prisma, SQLite*

- Built a full-stack analytics platform ingesting real match data across the top 5 European leagues, backed by a normalised relational schema managed with Prisma.
- Designed a responsive React/TypeScript UI including an interactive tactical-pitch view, a player comparison engine, and a head-to-head analysis module.
- Implemented a match-outcome prediction feature estimating final score, expected goals (xG), and win probability, visualised with Recharts.

EDUCATION

Bachelor of Science in Computer Science — Thompson Rivers University | Kamloops, BC, Canada

Graduated with Distinction, June 2026 | CGPA 3.8/4.33

Relevant Coursework: Applied Artificial Intelligence, Software Engineering, Data Structures & Algorithms, Internet of Things (IoT)

AWARDS & INVOLVEMENT

- Graduated with Distinction, Dean's List (6) — Thompson Rivers University
- Member, TRU Computer Science Club | Volunteer, TRU Cybersecurity Club