

Yazeed K. Hijjawi

Canadian Citizen | 905-484-4744 | yazeedhijjawi2003@gmail.com | [linkedin.com/in/yazeed-hijjawi/](https://www.linkedin.com/in/yazeed-hijjawi/) | github.com/zizoyh

EDUCATION

University of Toronto

Toronto, Ontario

B.S. in Computer Science

Dec 2025

- o **Concentrations:** Machine Learning, Computer Vision, Artificial Intelligence
- o **GPA:** 3.55/4.00, *Dean's List*
- o **Awards:** University of Toronto Scholars Award (\$27,500)

SKILLS

Languages: Python, C/C++, Java, HTML, CSS, Javascript, SQL, Dart

Technologies: React.js, TensorFlow, Pytorch, Flask, PostgreSQL, Flutter, FastAPI

Tools: Git, Jira, Docker, AWS, Figma, Stripe, MS Suite

EXPERIENCE

Advanced Micro Devices (AMD)

Markham, Ontario

Software and Testing Engineer Co-op

May 2024 – Aug 2025

- Developed **automation** frameworks and **AI-driven tools (Python, C++, Bash, JavaScript)** to improve efficiency of **CPU, APU, and GPU** software testing, significantly reducing manual workload and increasing test coverage.
- Collaborated with cross-functional teams to conduct **regression and performance testing** across **drivers, BIOS, and APU** environments, identifying critical **bugs** and ensuring seamless software–hardware integration.
- **Project - Test Workflow Optimizer (Python, ML, NLP, API)** Jan 2025– Aug 2025
 - o Built an **ML** tool using TF-IDF, stemming, K-Means, and DBSCAN to cluster QA test cases, reducing setup time by ~15% and improving execution efficiency.
 - o Integrated the pipeline with internal **API's** delivered via **Python** and a custom Tkinter **GUI**; showcased as a **finalist** during **AMD's internal innovation event**.

Signifi Solutions Inc.

Mississauga, Ontario

Software Engineering Intern

May 2023 – Sep 2023

- Led the development of **automation tools** to integrate Freshdesk and Odoo APIs, streamlining data transfer and improving visualization processes, which enhanced overall data management efficiency.
- **Project - Odoo Connector @ Signifi (Full-stack, Python, PostgreSQL)** Aug 2023
 - o Developed a **Python–PostgreSQL integration** with the Odoo API to automate ticket data retrieval and analytics, enabling real-time **Power BI** reporting.

PROJECTS

Overhead Soccer Analysis (Python, Computer Vision, Machine Learning)

Aug 2025 – Dec 2025

- Built a drone-based computer vision system with **multi-object tracking and RNN trajectory prediction** to deliver real-time player/ball analytics (possession, heatmaps, tactical phases) using the **SoccerTrack dataset**.
- Developed and benchmarked detection/tracking pipelines (MOTA, ADE/FDE) and a **user-facing analytics interface**, enabling affordable, professional-level tactical insights for lower-division teams.

MiCycle Bike Rental App (Python, Flutter, Dart, Stripe, Full-stack)

Jan 2024 – May 2024

- Built a city-wide bike rental app with a **Flutter/Dart front end** and **Python backend**, designing scalable database architecture and secure **Stripe payment integration** to ensure a seamless user experience.
- Led system architecture design and deployment, optimizing backend API performance and implementing real-time ride tracking and rental management for a **production-ready, user-friendly platform**.
- https://youtu.be/kT-VEDapO_U

Testimony AI - Contradiction Checker (Python, FastAPI, React, Electron, LLM, NLP)

Dec 2025 – Jan 2026

- Worked under contract for a licensed attorney to create a desktop app that detects contradictions between live witness testimony and deposition transcripts in real-time, using a **FastAPI** backend with an **Electron/React** front-end.
- Implemented a **RAG** pipeline with OpenAI embeddings and **ChromaDB vector** search to retrieve relevant deposition excerpts, feeding them into a local **LLM (Llama 3.2)** to flag and explain contradictions with severity scoring.

HTTP Web Server (C++)

May 2023

- Built a lightweight **HTTP web server** in **C++** from scratch using **sockets** to handle **TCP** connections, supporting static file serving and request parsing. Implemented **multithreaded** client handling, MIME type resolution, and error handling.

Relevant Courses

- Programming & Software Engineering
 - CSC108 – Introduction to Computer Programming
 - CSC148 – Introduction to Computer Science
 - CSC207 – Software Design
 - CSC209 – Software Tools and Systems Programming
 - CSC301 – Introduction to Software Engineering
 - CSC343 – Introduction to Databases
 - CSC369 – Operating Systems
 - CSC373 – Algorithm Design and Analysis
 - CSC490 – Capstone Design Course: Machine Learning for Vision
- Theory & AI / Machine Learning
 - CSC236 – Introduction to the Theory of Computation
 - CSC311 – Introduction to Machine Learning
 - CSC384 – Introduction to Artificial Intelligence
 - CSC413 – Neural Networks and Deep Learning
- Systems & Hardware
 - CSC258 – Computer Organization

Hobbies/Interests

- Soccer
- Photography
- Videography
- Gaming (FIFA, Minecraft, Valorant, RDR2)
- PC Building