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EDUCATION

Bachelor of Computing - Computer Science (Co-op)

Expected May 2029

University of Guelph

cGPA: 84.5

EXPERIENCE

7D Kinematic Metrology | *Software Engineer Intern (Build & Test)*

May 2026 – Present

Cambridge, ON

- Automate build processes for in-house software to run following deployments of **Surveyor**, a distributed system built in **C#/.NET**, reducing manual intervention and improving deployment reliability.
- Independently design and implement automated **unit tests** and **UI tests** using **TestComplete**, increasing test coverage across the software suite for a large-volume IR measurement and tracking system.
- Independently build and maintain **CI/CD pipelines** using **Jenkins** for automated builds and deployment of in-house software, streamlining the development workflow in an **Agile** environment.
- Develop automated testing for **Surveyor's API**, validating system endpoints to ensure correctness and reliability of the distributed measurement platform.
- Track and manage defects using **JIRA**, maintaining formal requirements documents and providing written status reports throughout the development lifecycle.

PROJECTS

Sublety | *React.js, Tauri, Azure Static Web Apps, Azure Functions, Azure Cosmos DB, Gemini, ElevenLabs.*



- Developed at **HackHive 2026**, an app that matches roommates via Tinder-style swiping, featuring an AI voice agent that replaces static forms with natural conversation.
- Engineered a lightweight desktop app using **Tauri** and **React**, to create a responsive, resource-efficient cross-platform application with lower overhead than Electron-based alternatives.
- Architected a scalable serverless backend on **Azure Functions**, utilizing **Cosmos DB** (NoSQL) for high-performance retrieval of user profiles, listings, and real-time swipe matching.
- Developed a voice-first onboarding agent integrating **Google Gemini** and **ElevenLabs**, parsing unstructured audio input into strict JSON schemas for automated profile generation.

Premier Metrics | *React.js, Python (ETL), Docker, PostgreSQL, Supabase, REST APIs, Vercel.*



- Engineered an automated **ETL pipeline** leveraging the SoccerData library and **Requests** to aggregate multi-source 2025/26 Premier League data while maintaining high availability.
- Containerized the ingestion engine using **Docker** and orchestrated weekly synchronization via **GitHub Actions**, ensuring a fully autonomous data lifecycle to **PostgreSQL**.
- Developed a robust data preprocessing layer with **Pandas**, implementing **RapidFuzz** for high-performance fuzzy name matching to reconcile player identities across disparate data sources.
- Implemented a responsive dashboard using **React** and **Tailwind CSS**, featuring dynamic theme engines and **radar charts** to visualize complex player performance metrics.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Go, C, C++, C#, Java, SQL, HTML/CSS.

Frontend: React.js, Next.js, SvelteKit, Tauri, Vite, Tailwind CSS.

Backend & Data: Node.js, Express.js, .NET, Azure Functions, PostgreSQL, Cosmos DB, Supabase, REST APIs, Pandas.

Technologies: Git, Docker, Azure, Vercel, Jenkins, Postman, Linux/Unix, CI/CD.

Other Skills: Figma, Agile, Unit Testing, UI Testing.