Seamus McKeag

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Education

Ivey Business School   London, Ontario
Honours Business Administration   *2027*

Western University   London, Ontario
BESc, Software Engineering   *2027*
- *Scholarship of Excellence | Varsity Co-ed Cheer | **GPA: 3.88/4.0***

Experience

Software Engineer Intern   May 2025 – Aug 2025
Travelers Canada   *Toronto, Ontario*
- **Developed** an enterprise-grade financial analytics dashboard in **Dash** by integrating **PySpark** ETL pipelines, optimizing **SQL** queries, and aligning features with business needs; **matched** QlikView performance on **100M+** data cells at a time.
- **Engineered** scalable ETL pipelines in **PySpark** and **Pandas** by streamlining data ingestion, transformation, and validation with financial datasets; **delivered** real-time reporting for 70+ key FD&A reports for policy, claims, and billing departments.
- **Refactored SQL** queries for **70** financial reports by enhancing efficiency, accuracy, and maintainability in collaboration with stakeholders; **reduced** execution time by up to 50% while preserving analytical precision.

Tree Planter   May 2024 – July 2024
Outland Reforestation   *Timiskaming District, Ontario*
- **Executed** reforestation initiatives in Northern Ontario by contributing to three large-scale contracts, totaling **6M** trees; **supported** successful project completion within environmental and client standards.
- **Planted** over **100,000** trees by adhering to client quality specifications and optimizing planting techniques in varied terrain; **achieved** a **100%** pass rate on quality inspections.
- **Maintained** high productivity in remote, physically demanding conditions by working 5 consecutive 12-hour days with minimal rest; **ensured** consistent output without sacrificing quality.

Projects

JobSync AI | *Source Code*   ReactJS | Flask | Supabase(PostgreSQL) | OpenAI API
- **Built** a multi-user job application tracker with AI-powered resume scoring and keyword gap analysis; **improved** organization and success rates for users managing multiple simultaneous applications.

PlayStop | *Group Project* | *2024 Western University Engineering Showcase Winner*
- **Developed** a wearable device to detect referee whistles via frequency recognition and haptic feedback; **enabled** deaf hockey players to receive on-ice play stoppage alerts.
- **Implemented** signal processing algorithms to isolate whistle frequencies from background noise; **ensured** reliable activation in live game environments.
- **Conducted** iterative user testing with hockey players to refine ergonomics and feedback response; **enhanced** comfort, accuracy, and usability.
- **Awarded** 1st place among 900 students in a university-wide engineering competition for innovation and impact.

Awards

Collegiate Co-ed Cheer National Champion | *Power Cheer Association*   2024 & 2025

Governor General Academic Medal | *Governor General Mary Simon and Greenwood College School*   2023
- Awarded for achieving the highest graduating average (99.5%) at Greenwood College School, June 2023.

Technical Skills

Languages: Java, Python, C#, JavaScript, HTML/ CSS
Technologies: Git, Supabase, VS Code, PyCharm, IntelliJ, Rider, Unity, Excel
Libraries/ Frameworks: ReactJS, Flask, Pandas, Dash, PostgreSQL
Interests: Snowboarding, Pickleball, Harry Potter, Folk Music