

Jaden Moore

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EDUCATION

McMaster University

Software Engineering with Co-op (B.Eng)

Hamilton, ON

Graduation: April 2027

- **Specialization GPA: 3.7** — Dean's Honors List 2023, 2024, 2025
- **Relevant Coursework:** Data Structures & Algorithms, Software Architecture, Operating Systems, Software Testing

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL, C, HTML, CSS

Frameworks/Libraries: Spring Boot, TensorFlow, Keras, React.js, Node.js, Flask, Selenium

Databases/Tools: MySQL, PostgreSQL, MongoDB, Git, AWS (S3, ECS), pytest, SonarQube, Docker, Postman, Linux

EXPERIENCE

Software Developer Intern – Quantitative Technology Services

Halifax, Nova Scotia

Royal Bank of Canada (RBC) – Capital Markets (Equity Derivatives)

May 2026 - August 2026

- Cut position-break investigation time **92%**, from **120 to 10 minutes**, by building a **Python** tool that cross-references an **8M-line server log**, Oracle data, and reconciliation files
- Built and deployed a **React & Flask** production-support platform centralizing Jira, Confluence, Webex, and internal tooling for **6+ trading and risk applications**
- Integrated **PostgreSQL** and enterprise **LDAP/NTLM authentication** into the platform, supporting 10 daily users across legacy production-support workflows
- Automated **10+ hours of weekly reporting** with a **Python ETL pipeline** using REST APIs, producing incident and vulnerability reports used across **2 teams** and presented to **100+ stakeholders**
- Built an **AI analytics assistant** using REST APIs and an internal **LLM API** to answer incident and vulnerability questions and generate charts, saving **3 hours weekly**

Software Engineer Intern

Toronto, Ontario

TFI International

April 2025 - April 2026

- Automated load bidding systems by developing multiple Python bots, saving Operation Coordinators **10 hours weekly** and cutting costs by an estimated **\$25,000 annually**
- Developed an **ETL pipeline** for a company-wide OCR platform in a 3-person team, leveraging **Python, Azure AI, and NoSQL**. The system automates invoice processing for **30+ daily users**, reducing manual data entry time by an estimated **90%** and minimizing human error
- Spearheaded the OCR's core data system in MongoDB, improving **query performance by over 95%**: designed a flexible **NoSQL schema** and wrote robust **Python functions** to efficiently save and update all OCR results
- Developed an internal web application integrated with **RESTful APIs** from two core company systems, automating data synchronization and saving **over 8 hours of manual work weekly**

PERSONAL PROJECTS

AI Fitness Coach 🤖 | Python, OpenCV, MediaPipe, JavaScript, Flask | DeltaHacks XI Hackathon

- Developed a computer vision fitness assistant in a 4-person team, achieving **98% accuracy** and **sub-50ms latency** for real-time form feedback
- Engineered the video processing pipeline using **OpenCV** and **MediaPipe** to track 33 body landmarks, integrated with a **Flask backend** for CSV-based workout logging

Fish Species Classifier 🐟 | Python, TensorFlow, Keras

- Built and trained a **CNN** using **TensorFlow and Keras**, achieving **95% accuracy** by applying robust data augmentation techniques (rotation, flipping, colour adjustments)
- Integrated **Grad-CAM** to visualize model decision-making, improving understanding and **debugging efficiency by 30%**