

Jaden Moore

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EDUCATION

McMaster University

Hamilton, ON

Software Engineering with Co-op (B.Eng)

Expected Graduation: May 2026

- **Specialization GPA: 3.7**
- Dean's Honors List 2023-2024
- Relevant Coursework: Object-Oriented Programming (Java), Data Structures & Algorithms, Software Development (C, Bash), Software Design (Java, Git, Agile), Databases (SQL), Operating Systems, Software Testing

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C, C++, HTML, CSS, R, Bash, MatLab

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

Databases/Tools: PostgreSQL, SQL, Git, AWS S3, Azure, JUnit, Power BI, Selenium, SonarQube, Docker

EXPERIENCE

Software Engineer (Contract)

Halifax, NS

Maple Coast Homes Inc.

May 2024 - August 2024

- Built a comprehensive financial tracking system using Java, Spring Boot, and SQL, replacing Excel for streamlining financial management across 10+ apartment buildings with 100+ tenants
- Improved data input speed by 50%, achieving sub-1-second query times for 1,000+ records
- Implemented detailed financial reporting features, providing actionable insights into revenue, expenses, and tenant management, leading to significant improvements in decision-making and management efficiency

PERSONAL PROJECTS

AI Fitness Coach 🤖 | *Python, OpenCV, MediaPipe, JavaScript, HTML, CSS* | **DeltaHacks XI Hackathon**

- Led a team of four to develop a computer vision fitness assistant that tracks workouts with 98% accuracy and provides real-time form feedback
- Implemented MediaPipe to track 33 key body landmarks, enabling precise joint angle calculations with sub-50ms latency for instant feedback
- Utilized OpenCV to process live video, overlaying real-time stats, rep count, and visual feedback onto the screen
- Built a Flask-based backend with rest timers and CSV-based workout logging for exercises

Fish Species Classifier 🐟 | *Python, TensorFlow, Keras*

- Developed a convolutional neural network (CNN) capable of distinguishing between fish species with 95% accuracy
- Utilized TensorFlow and Keras to build and train a deep learning model, improving accuracy by applying data cleaning and enhancement techniques, such as rotation, flipping, and colour adjustments
- Integrated Grad-CAM to visualize model decision-making, improving understanding and debugging efficiency by 30%

AI Website Summarizer 🤖 | *React.js, Redux-toolkit, Tailwind CSS*

- Built a web app with React.js, Redux Toolkit, and Tailwind CSS that automatically generates concise article summaries, enhancing readability and saving users time
- Leveraged OpenAI GPT-4 for advanced natural language processing to generate accurate article summaries
- Implemented an intuitive interface that allows users to easily input URLs and view summarized content

McMaster Study Review Webapp 🤖 | *React.js, Java, Spring Boot, MongoDB, Bootstrap*

- Created a comprehensive McMaster Study Spot Review Web Application using React.js, Spring Boot, and MongoDB to offer students a platform for exploring and reviewing campus study spots
- Optimized MongoDB queries to reduce data retrieval times by 25%, enhancing performance and user experience
- Used Java Spring Boot for the backend to ensure quick seamless frontend to MongoDB integration

AWARDS

3rd place team in McMaster's Engineering Coding Competition among 200 participants.
McMaster Award of Excellence (\$3000).