

Hayden Tam

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EDUCATION

York University

Bachelor of Arts Honours in Information Technology

Toronto, ON

June 2027

TECHNICAL SKILLS & CERTIFICATIONS

Languages: Java, Python, C++, JavaScript, HTML5, CSS, MATLAB, PostgreSQL

Frameworks & Libraries: Spring Boot, React.js, PyTorch, NumPy, Pandas, Matplotlib, Scikit-Learn

Version Control & Deployment: GitHub, Git

Certifications: AWS Cloud Practitioner (In Progress)

PROJECTS

Full Stack Upload Application | *Java(Spring Boot), React.js, PostgreSQL, AWS* (In Progress)

- Built a full-stack file upload feature with **Spring Boot** backend and **React.js** frontend, integrated with **AWS S3** for secure cloud storage and local **EC2** storage for testing.
- Designed **RESTful APIs** with **Spring Boot** and **AWS SDK v2**, implementing secure **AWS IAM** role-based authentication for S3 access.
- Automated deployment pipelines with **AWS Elastic Beanstalk** (backend) and **AWS Amplify** (frontend), enabling **CI/CD** for reliable production releases.

Stock Price Prediction Model | *Python, PyTorch, NumPy, Pandas, LSTM* Sept. 2025

- Implemented a time-series forecasting model in **Python** using **PyTorch** with an **LSTM-based architecture** to predict stock price trends.
- Strengthened understanding of **machine learning workflows**, including data preparation, model design, training, and evaluation.
- Preprocessed financial datasets (scaling, windowing, feature engineering) to train and evaluate the model.
- Applied **deep learning techniques** for sequence modeling and validated performance with metrics such as **MSE** and **RMSE**.

JavaFX Memory Management System | *JavaFX, IntelliJ, Course Project* February. 2025

- Designed and implemented a **multi-scene GUI application** with modular architecture
- Built secure user authentication system with **file-based credential storage, input validation, and error handling**.
- Implemented scene switching and reusable controllers to improve maintainability and scalability.
- Applied **object-oriented principles (OOP)** to separate business logic from UI components.

EXPERIENCE

Inventory Specialist

Costco Wholesale

May 2023 – Present

Richmond Hill, ON

- Updated inventory records regularly utilize a variety of data entry methods.
- Resolved stock discrepancies **30%** faster by cross-verifying physical counts with system data.
- Improved merchandise tracking and pricing validation across **1000+** products, reducing pricing errors by **15%**.
- Accurately counted and recorded merchandise stock levels for inventory control purposes.
- Provided support during peak sales periods by working extended and extra hours as needed.

Swim Instructor

Swim Apex Aquatic Club

Oct. 2021 – Aug. 2022

Markham, ON

- Planned classes covering different ages and skill levels to prepare students for basic and advanced swimming needs.
- Adapted teaching techniques to different learning styles.
- Enforced **water safety** protocols, contributing to a **0%** incident rate during all class sessions.
- Supported marketing efforts that helped boost class enrollment by **20%**.