Pratham Patel

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EDUCATION

University of Guelph, *Bachelor of Computer Engineering with Co-op* | Expected December 2025

EXPERIENCE

Stelco Canada | *Cyber Security Intern* May 2022 – September 2022

· Worked in a small cyber security team that oversaw the cyber infrastructure of the company.

· Learned many cyber security fundamentals, including basic CCSA training and equipment/server deployment.

· Documented servers and policies that were put into effect during my time with the team.

Subway | *General Manager* Jan 2019 – May 2022

· Trained multiple employees to adhere to specified requirements and status quo.

· Took on more responsibilities such as scheduling employee hours and paycheques

· Clear and concise communication to customers and employees, ensuring no conflicts.

PROJECTS

Portfolio Manager | *Java, Swing Framework, OOP*

· Using OOP, created a stocks and ETF manager with a GUI using a Swing framework to keep track of data like number of stocks, book cost and total revenue.

· Allows for users to manipulate the data by buying, selling, and updating prices to calculate unrealized gain/loss and it is visualized by the GUI.

· Written in Java and uses multiple OOP concepts like classes and inheritance.

Music Genre Predictor | *Python, Pandas, Kaggle, Jupyter*

· Increased knowledge of python, pandas, and datasets from Kaggle while building projects in Jupyter environment.

· Developed basic self-taught machine learning knowledge to increase competency in programming and data handling.

RELAVENT COURSES

ENGG*4450 – Large Scale Software Architecture Engineering

· Studied the architecture of large-scale software systems, focusing on design techniques, formal models, and specifications, while gaining hands-on experience in analyzing and redesigning existing systems through laboratory sessions.

ENGG*2750 – Software System Development & Integration

· Learned about techniques and tools used in the development of large software systems. Also learned methods for creating modular systems, interface designs, and database connectivity through a full-stack project.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, CSS, HTML, Java

Technologies/Software: Git, Pandas, Kaggle, Scikit-Learn, AutoCAD, SolidWorks, Photoshop,