

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

Molecule Visualizer | *C, Python, SQLite, JavaScript, HTML, CSS*

- Full stack application that lets the user add, edit, and display molecules through SDF file or manual input.
- Created a Python Library in C then made SDF file parser to extract data and transfer it into SVG format.
- Created Custom GUI to display program and Database to store and organize molecule data.

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.

TECHNICAL SKILLS

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

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