

# Anthony Pham

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## Education

### York University

Honours Bachelor in Computer Science

September 2022 - April 2026

## Technical Skills

**Languages:** Python, Java, Javascript, C, SQL, HTML5, CSS3, Assembly

**Frameworks/Libraries:** React, Node.js, Next.js, Flask, JUnit, Tailwind CSS

**Tools/Platforms:** Git, Docker, Bash, MySQL, SQLite

## Projects

### Trace | Python, Pandas, Tensorflow, YFinance, Plotly

Feb 2025 - Present

- Developed a Python tool with **Tensorflow and Yahoo Finance** to predict the next-day stock price percentage using an **LSTM deep learning model** with MAE evaluation.
- Applied **technical indicators** (SMA, RSI, VWAP, Fibonacci retracements) and financial patterns (Golden Cross) to improve input features, obtaining a **directional accuracy of 65% and Mean Absolute Error (MAE) of 0.2%**.
- Visualized a **comparison of real and predicted results** using **Plotly** and implemented a model saving/loading to minimize API calls.

### YorkU Parking System | Java, JUnit, Randoop, EvoSuite

Jan 2025 - Apr 2025

- Designed and implemented a modular parking system using **creational, behavioral, and structural design patterns**.
- Developed **UML diagrams** (Use Case, Sequence, Class, Component) and tested using automated tools like **Randoop and EvoSuite** improve test coverage by 20%.
- Evaluated code quality using **mutation analysis with PIT** and refactored for maintainability.

### Percept | React, Vite, Python, SQLite

UofT Hacks 2025

- Designed an anonymous story-sharing platform with location tagging for open and private message.
- Integrated **Google Maps API** to allow geo-tagged anonymous posts and private advice exchange through **Flask and SQLite**.
- Collaborated in a **team of 4** to deliver a full-stack project in under 36 hours.

### SCHIZO | Godot, Blender, Aseprite

Ctrl-Hack-Del 2024

- Designed a 2D game using **Godot Engine** to raise awareness about schizophrenia through sanity mechanics and narrative design.
- Programmed gameplay elements simulating perception vs delusion and used art assets modeled in **Blender and Aseprite**.

## Experience

### Costco Wholesale

May 2024 - Present

Merchandise

East Gwillimbury, ON

- Coordinated tasks and communicated with a **4-person team** to manage a section, ensuring efficient shift operations.
- Increased product visibility by **reorganizing high-demand items**, contributing to an estimated **10% boost in daily department sales volume**.
- Maintained a clean environment to improve member experience and drive member satisfaction.
- Cross-trained across departments (**food court, front-end, merchandising**) to support peak-hour operations and reduce downtime.

### YorkU Taekwondo Club

September 2023 - September 2024

Deputy External

North York, ON

- Assisted in **planning events** and creating a strong connection to the community among club members.
- Attended weekly high-intensity training sessions, improving cardio and sparring skills while promoting team spirit.