

# Tyler Chin

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 github |  linkedin

## EDUCATION

### University of Toronto

Sep 2023 - Apr 2028

Bachelor of Science, Specialist In Computer Science, Minor in Business and Entrepreneurship

Mississauga, ON

GPA: 3.3/4.0

**Related Course Work:** Introduction to Object Oriented Programming | Data Structure and Algorithms | Software Design | Systems Programming | Intro To The Theory of Computation | Intro To Marketing | Intro to Entrepreneurship

## NOTABLE PROJECTS

### Moon Phases Portfolio

April 2025 - May 2025

Full Stack Engineer

Toronto, ON

- Created a visually stunning **3D** portfolio website using a combination of **HTML, CSS, Javascript and Three.js**.
- Implemented a **28 day moon cycle tracker** that accurately tracks the moon cycle using **LunarphaseJS**.
- Features a direct email messaging system using **EmailJS** that allow visitors to message me up to **500 emails** per day.
- Optimized the website to display over **300** stars while maintaining a **smooth UX-UI** experience.

### Discord Bot

May 2025 - August 2025

Backend Developer

Toronto, ON

- This bot that employs various features to interact with a users including but not limited to **texting, sending GIF's and sending memes**.
- Built using **discord.py** and implements **POST and GET** requests to Discord's **API**.
- Uses **Pytorch** to predict stock prices with a loss of  $\leq 0.06$ .
- Trained a Pytorch model using over **10 years** worth of Bitcoin data.
- Interacts with **Reddit API** to retrieve the latest and greatest memes to those who request it!
- Facilitates communication with **Google's Gemini AI API** to deliver the experience of AI to Discord!

### Tetris Assembly

August 2025 - August 2025

Full Stack Engineer

Toronto, ON

- Built Tetris from scratch using **MIP's** assembly.
- Incorporates many core features from Tetris such as **gravity, block-varieties and clear animations**.
- Uses a Bitmap display to create a vibrant and interactive game environment.
- Implements keyboard interaction to facilitate smooth player interaction.
- Click [here](#) to view this unique project!

## EXPERIENCES

### Canadian Computing Competition

Feb 2023

Competitor

Toronto, ON

- Participated in a coding competition placing top **500 out of 4000** participants.
- Implemented **data structures and algorithms** related to heaps, queues stacks, dynamic programming and greedy algorithms.

### HackThe6ix

Aug 2024

Hacker

Toronto, ON

- Deployed Godot and existing libraries to match human voices to a predetermined prompt with **95% accuracy**.
- Made meaningful software that aids in providing treatment to those with **aphasia**.

## TECHNICAL SKILLS

**Programming Languages** Python | Java | C++ | C | C# | GDScript | Bash | JavaScript | SQL | HTML/CSS

**Developer Tools** Godot | Unity Game Engine | Visual Studio Code | Git | Jet Brains | Eclipse | Jupyter Notebook

**Framework** Django | DiscordJS | PyGame | Three.js | Swing | React | Tkinter | ChatGPT API

## SOFT SKILLS

**Team Skills** Leadership | Sociable | Team Builder | Critical thinking skills | Conflict resolution | Collaboration facilitator

**Self Skills** Time Management | Accountability | Adaptable | Optimist | Open to new ideas

## LANGUAGES

**Fluent** English | Cantonese Chinese

**Intermediate/Beginner** Mandarin Chinese