

# Tony Lin



itstonylin.ca



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**Second Year Honours Computer Science Student** — McMaster University, Class of 2025

## Experience

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### **Jr. Software Engineer** — *Tech Mahindra*

*May 2022 — Aug 2022*

- Designed a plugin that uses **JUnit** to generate unit test cases for **Spring Boot** applications.
- Conducted research on various software topics and presented to Tech Mahindra's Digital Transformation & Execution Director.
- Completed Tech Mahindra's courses on modern banking, Java, unit-testing, and UML.

### **Web Dev Tutor** — *Sir John A Macdonald Collegiate Institute*

*Dec 2020 — Apr 2021*

- Introduced students to the fundamentals of web development through the Mac Code Today club.
- Prepared powerpoint lessons on **HTML**, **CSS**, and **JavaScript**, taught online through replit.com, and helped students build personal websites.

## Projects

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### **Personal Website** — *Portfolio*

*Aug 2020 — Present*

- A responsive website that visualizes my resume using self-taught skills.
- Created using **HTML**, **CSS**, **JavaScript**, **Jquery**, **Bootstrap**, and **animation libraries**.

### **Linear Algebraizer** — *Web App*

*January 2022 — April 2022*

- A web study tool that contains a plethora of information on linear algebra theorems.
- Allows the user to visualize different linear algebra theorems through their input.
- Developed in a team of four using **Elm**.

### **Cat Website** — *Website*

*February 2022*

- Displays paginated images of cats using **The Cat API**.
- Developed in **JavaScript** with **Vue.js** and the **Vuetify** framework.

### **Tip.cc Suite** — *Cryptocurrency Bot*

*May 2021 — July 2021*

- A collection of programs that allows users to send their entire crypto portfolios to other tip.cc accounts on Discord, participate in tip.cc phrasedrops, and calculate missing cryptos in portfolios.
- Automate commands to the tip.cc bot and is built using **Python** and the **PyAutoGUI** library.

### **Mahjong Counter** — *Web App*

*June 2020 — Sept 2020*

- A web application players use to keep score during Mahjong gameplay.
- Aggregates and reports statistics and high scores throughout the game.
- Made using **HTML**, **CSS**, **JavaScript**, and hosted using **Heroku**.

## Skills

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**Languages:** Python, HTML, CSS, JavaScript, Java, C, SQL, Bash, Elm

**Technologies:** Git, React.js, Vue.js, Node.js, Jquery, Bootstrap