

# Brett Yang

brettyang78@gmail.com ❖ (647) 991-6988 ❖ [LinkedIn](#) ❖ [Github](#)

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## EDUCATION

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University of Toronto

*B.A.Sc. – Computer Engineering*

Sept 2021 – June 2025

Toronto, ON

## WORK EXPERIENCE

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Welbilt Inc

*Software Engineering Intern*

May 2022 – August 2022

Mississauga, ON

- Tested and debugged software written in **C++** that was used in the company's grill devices
- Wrote and edited **Bash** scripts that established serial connections with Jabil UI devices
- Used **Python** to program various circuits

FlashCoding

*Software Engineering Intern*

March 2022 – May 2022

Remote

- Collaborated with 5 interns and a senior developer to plan, develop and test web applications
- Used **HTML, CSS and Javascript** to write the frontend

FIRST Robotics Team 1360

*Builder and Scouter*

Sept 2018 – June 2020

Oakville, ON

- Used machine-shop tools including lathes and mills to create robot components that were implemented in drive-trains and lift mechanisms
- Analyzed and interpreted computer-aided designs (CAD) to build accurate components following all specifications and dimensions

## PERSONAL PROJECTS

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Marketplace Application

[Github](#)

*React, Node.js, MongoDB (Mongoose), Express, Bootstrap*

- Created a **full stack MERN** marketplace application where users can create, edit and delete posts containing information about their product
- Implemented a secure login system using the **bcrypt hashing algorithm** and 10 rounds of salting to safely store passwords
- Marketplace items and user credentials were stored on a **cloud database** through MongoDB Atlas

Bookmarker

[Github](#)

*React, Node.js, MongoDB (Mongoose), Express, react-map-gl, react-bootstrap*

- Created a **full stack MERN** using the react-map-gl library that allows users to bookmark and add info about places of interest
- **Dynamically** loads a user's points of interests from the **MongoDB backend**

## SKILLS & INTERESTS

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**Languages :** JavaScript, HTML/CSS, Python, Java, Bash

**Tools and Frameworks :** React, Express, NodeJS, Mongoose, Bootstrap, Git, Linux

**Databases :** MongoDB, MySQL, PostgreSQL