# William Pai

Bachelor of Software Engineering Student — Year 4

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## EXPERIENCE

### InsideDesk, Canada — *Software Engineer Co-op*

MAY 2022 - SEPTEMBER 2022

- Implemented new features to the main product with **Angular.js** w/ **TypeScript**, **MySQL**, and **Python Flask API** improving the effectiveness of clients' work with dental insurance claims
- Designed and implemented a Google Chrome **React.js** extension w/ MUI library and **TypeScript**, providing dental clients to easily access patients insurance logins across several platforms
- Improved product's **front-end API** and writing **Cypress.io** tests for its **JavaScript** UI, integrating it with **Git** and **agile CI/CD** pipelines, ensuring minimal errors from future upgrades to the client

### WaveDirect, Leamington — *Software Developer Co-op*

JUNE 2021 - AUGUST 2021

- Developed a standalone desktop application for parsing financial data using **Python** & **PyQt**, automating entries into the admin system
- Automated a recurring script to read, parse, and forward copyright infringement notices to the corresponding customer using **Python**, **Gmail API**, **Powercode API**, and **SQL**

## EDUCATION

### McMaster University, Hamilton — *Bachelor of Engineering Co-op, Software Engineering*

SEPTEMBER 2020 - PRESENT

## PROJECTS

### Cabpool — *Taxi Carpooling Mobile Application* | Link

Created a **React Native** mobile application to allow existing taxi services to add carpool matchmaking to taxi rides. Used **Google Maps API**, **Node.js** and **Express.js** to generate **REST APIs** for multi-device communication.

### WaveDirect — *Hackathon Winning Mobile Application* | Link

Developed a high-fidelity interactive **Flutter & Dart** mobile application prototype to allow WaveDirect's customers to manage accounts and receive customer support, or view service outages using **Google Maps API**

## TECHNICAL FRAMEWORKS

Flutter

React Native

React.js

Express.js

Node.js

Angular.js

Vue.js

PyQt

## TECHNICAL SKILLS

Figma

Adobe XD

JavaScript ES6 Programming

TypeScript Programming

Java Programming

Dart Programming

Python Programming

C Programming

Bash Scripting

HTML/CSS

MATLAB

SQL

Git