

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 **4 million** 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, minimizing errors by **99%** before being released into production

WaveDirect, Leamington — Software Developer Co-op

JUNE 2021 - AUGUST 2021

- Developed a standalone desktop application for parsing **thousands** of financial data entries using **Python** & **PyQt**, automating entries into the admin system
- Automated a recurring script to read, parse, and forward **2000+** copyright infringement notices every year 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

TECHNICAL FRAMEWORKS

Flutter
React Native
React.js
Swift
Express.js
Node.js
Angular.js
Vue.js
PyQt

TECHNICAL SKILLS

JavaScript ES6 Programming
TypeScript Programming
Java Programming
Dart Programming
Python Programming
C Programming
Figma
Adobe XD
Xcode & Storyboard
GitHub/GitLab/Bitbucket
ClickUp/Trello/MS Project
Bash Scripting
HTML/CSS
MATLAB
SQL
Git