

# Paul Chang

2A Computer Engineering

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## Skills

- **Languages:** Python, C++, JavaScript, HTML, CSS
- **Libraries/Frameworks:** Django, React Native, Node.js, Socket.IO, SQLite3, Scikit-Learn, Express.js
- **Other:** MongoDB, Git, Bash, Postman

## Work Experience

Software Development Engineering | DragonAgile

Jan 2019 – Apr 2020

- Developed Jira apps and scripts requested by clients using existing **JIRA Java** and **REST APIs**, improving client's work efficiency up to 10%.
- Worked in a **Linux** operating system and programmed in **Bash** to run local Jira servers by executing installers and connecting to TCP ports.
- Analyzed and completed over 75 Jira tickets by consulting with clients solutions that quickly and effectively solved their technical issues.

## Personal Projects

Flicker

Dec 2020

- Built a bi-directional interactive connection between clients and the server by architecting the management of **WebSockets** using **Socket.IO**.
- Used an online **REST API** to retrieve data from the Netflix platform based on user's selection and utilized **WebSockets** to minimize the amount of API calls made, resulting in increasing the efficiency of the application.

Online Library Account

Jul 2019

- Managed user's personal information and books by establishing multiple databases and utilizing **CRUD** operations using **Python SQLite3**.
- Designed an interactive GUI for the authentication process of registered users by using **Python Tkinter**.

Personal Portfolio Website

Apr 2020

- Developed a personal portfolio using **HTML**, **CSS** and **JavaScript**.
- Structured and organized the website by implementing **CSS** grid Layout.

## Education

University of Waterloo

Sept 2019 – Apr 2024(expected)

- Candidate for the BAsC in Computer Engineering.