

Colin LIN

Cloud Full Stack Engineer | HSBC

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EDUCATION

Sept 2019 Honours Bachelor of Science, COMPUTER SCIENCE, University Of Toronto
June 2023 > GPA : 3.92/4.0
> Dean's list : 2020, 2021

EXPERIENCE

December 2021 Present Cloud Full Stack Engineer, HSBC, Vancouver, BC
> Developed a Cloud based web app for product onboarding using **React** and **Spring Boot**.
> Worked closely with a cross time-zone **Agile Scrum** team to support systems critical to Retail Banking.
[React](#) [Spring Boot](#) [NodeJS](#) [MongoDB](#) [AWS](#)

September 2021 Present Software Developer, UoFT SCARBOROUGH, Toronto, ON
> Developed data visualizations for a research project using **Python**, **NumPy**, **pandas**, and **Matplotlib**
> Worked closely with other developers resolve critical bugs and improve the efficiency of the Python website crawler
> Reduced data processing time by 50% by distributing the workload across multiple threads
[Python](#) [NumPy](#) [pandas](#) [Matplotlib](#) [Linux](#)

May 2021 October 2021 Software Engineer, UoFT HATCHERY, Toronto, ON
> Developed time-saving tools for the administrator dashboard using **Vue.js**, **PHP**, and **WordPress**
> Worked closely with senior developers to find and resolve bugs on the website
> Designed **MySQL** database schemas to store user data and survey responses
[Vue.js](#) [PHP](#) [WordPress](#) [MySQL](#)

September 2020 April 2021 Software Developer, CINEPLEX DIGITAL MEDIA, Toronto, ON
> Led the development of custom **web applications** and digital signage for clients such as RBC, Citizens, and Scotiabank
> Adapted **HTML**, **CSS**, and **JavaScript** projects to serve different countries, currencies, and languages
> Reduced maintenance cost by 90% by rebuilding a legacy application using **React**
> Worked closely with other developers in an **Agile Scrum** team to convert requirements to applications
[React](#) [HTML](#) [CSS](#) [Javascript](#)

SKILLS AND ABILITIES

Languages Java, Python, C, HTML, CSS, JavaScript, TypeScript, SQL, PHP
Frameworks and Libraries Spring, Node.js, Express.js, Vue.js, React, Angular, jQuery, Bootstrap, JUnit, NumPy, pandas
Databases MongoDB, MySQL, PostgreSQL, Neo4j
Tools Git, Jira, Docker, AWS, WordPress, Heroku, Postman, Linux

PROJECTS

RIDESHARE API

JULY 2021 – AUGUST 2021

A Java REST API for a ridesharing service following the Microservices architecture.
Developers can use the API to request rides for passengers and generate optimized routes for drivers.

[Java](#) [Docker](#) [Neo4j](#) [MongoDB](#)

DISCORD REMINDER BOT REST API

AUGUST 2020 – SEPTEMBER 2020

[github.com/https://github.com/l3n0ire/FlaskREST](https://github.com/l3n0ire/FlaskREST)

A REST API built using Python and Flask for developers to interact with my Discord reminder bot. Developers can use the API to interact with the database and schedule reminders for users.

[Python](#) [Flask](#)