

# 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 : 3.90/4.0

> Dean's list : 2020, 2021

Software Engineering Data Structures and Algorithms Databases Computer and Network Security

## EXPERIENCE

December 2021 Cloud Full Stack Engineer, HSBC, Vancouver, BC

Present

> 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 Java JavaScript

September 2021 Software Developer, UoFT SCARBOROUGH, Toronto, ON

February 2022

> 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 Software Engineer, UoFT HATCHERY, Toronto, ON

October 2021

> 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 Software Developer , CINEPLEX DIGITAL MEDIA, Toronto, ON

April 2021

> 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

### AFRICONNECT

JUNE 2021 – SEPTEMBER 2021

[Africonnect](#) [github.com/team-nov/team-nov-production](https://github.com/team-nov/team-nov-production)

Platform for African entrepreneurs to network and access online resources. Key features include a discussion forum, direct messaging, and profile creation

React Bootstrap MongoDB NodeJS Express