

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 AWS Java JavaScript

October 2021 Software Developer, ONTARIO INSTITUTE FOR STUDIES IN EDUCATION, Toronto, ON

Present

> Implemented new features for collaborative learning software using **Angular**, **Fabric.js** and **Firebase**

> Established real-time data updates on the user dashboard with WebSockets using **socket.io**

Angular Fabric.js Firebase NodeJS Express MongoDB socket.io

September 2021 Software Developer, UoFT SCARBOROUGH, Toronto, ON

February 2022

> Developed data visualizations for a research project using **Python**, **NumPy**, **pandas**, and **Matplotlib**

> Improved the efficiency of the Python website crawler by applying filters and caching data

> 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 **web applications** and digital signage for clients such as RBC 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**

React HTML CSS Javascript

📋 SKILLS AND ABILITIES

Languages Java, Python, C, HTML, CSS, JavaScript, TypeScript, SQL, PHP

Frameworks and Libraries Spring Boot, Node.js, Express.js, React, Angular, Vue.js, jQuery, Bootstrap, NumPy, pandas

Databases MongoDB, MySQL, PostgreSQL, Firebase, 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

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