Colin LIN
Cloud Full Stack Engineer | HSBC

(647) 470-9183 @ colin.lin@mail.utoronto.ca 125 Highhill Drive, Toronto, Ontario, Canada
linkedin.com/in/colin-lin-2001/ github.com/l3n0ire My Website

EDUCATION

Sept 2019 June 2023	Honours Bachelor of Science , COMPUTER SCIENCE, University Of Toronto > GPA : 3.90/4.0 > Dean's list : 2020, 2021

Software Engineering   Data Structures and Algorithms   Databases   Computer and Network Security

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 AWS Java JavaScript
October 2021 Present	**Software Developer, ONTARIO INSTITUTE FOR STUDIES IN EDUCATION, Toronto, ON** > Implemented new features for collaborative learning software using **Angular**, **Fabric.js** and **Firebase** > Mentored junior developers and defined team standards adhering to programming best practices Angular Fabric.js Firebase NodeJS Express MongoDB
September 2021 February 2022	**Software Developer, UofT SCARBOROUGH, Toronto, ON** > 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 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 **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