Colin Lin

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Skills and Abilities

Languages: Java, Python, C, HTML, CSS, JavaScript, TypeScript, SQL, PHP
Frameworks and Libraries: Node.js, Express.js, Next.js,Vue.js, React, jQuery, Bootstrap
Tools: Linux, Git, Jira, Heroku, Docker, MongoDB, MySQL, PostgreSQL, WordPress

Education

University of Toronto   September 2019 – Present
Honours Bachelor of Science, Computer Science Co-op
- **GPA:** 3.93

Work Experience

UofT Hatchery   **Toronto, ON**
Software Engineer   May 2021 - Present
- 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

Cineplex Digital Media   **Toronto, ON**
Software Developer   September 2020 – April 2021
- Led the development of custom **web applications** and digital signage for 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

Projects

Discord Reminder Bot REST API   August 2020 – September 2020
https://github.com/l3n0ire/FlaskREST
- Developed a **REST API** using **Python** and **Flask** for developers to interact with my Discord reminder bot
- Utilized asynchronous Python functions along with discord.py API to provide instant responses to users
- Carefully managed Python threads to send reminders to users at the times they specify
- Improved search efficiency by 25% by reducing redundancies in **MongoDB** queries

CourierU   May 2020 – July 2020
https://courieru.herokuapp.com/
- Developed a web app for foodbanks to coordinate volunteer deliveries during the COVID-19 pandemic
- Generated optimized delivery routes and map visuals by integrating Mapbox REST API with frontend
- Carefully designed Node.js **REST API** to maximize code reuse, and optimize performance

Success Stories of New Canadians   November 2019 – April 2020
https://success-stories-of-new-canadians.netlify.app/
- Designed a platform for immigrants to share their experiences of coming to Canada
- Accelerated loading times by 30% using **React** and asynchronous JavaScript
- Implemented a low-cost and scalable hosting solution using **Netlify CMS**