

Colin Lin

125 Highhill Drive, Toronto, ON M1T 1N8 | (647) 470-9183 | colin.lin@mail.utoronto.ca
<https://www.linkedin.com/in/colin-lin-2001/> | <https://colinlin.netlify.app/>

Skills and Abilities

Languages: Java, Python, C, C#, Bash, HTML, CSS, JavaScript

Technologies/Frameworks: NodeJS, React, Git, MongoDB, jQuery, Jira, Bitbucket, Bootstrap, Linux

Education

University of Toronto

September 2019 – Present

Honours Bachelor of Science, Computer Science Co-op

- **GPA:** 3.94
- **Specialization:** Software Engineering

Work Experience

Software Developer

September 2020 – Present

Cineplex Digital Media, Toronto, ON

- Developed custom digital signage for clients such as RBC and Subway using HTML, CSS, and JavaScript
- Reduced development time by 20% by prototyping and receiving customer validation early on
- Maintained excellent communication with the team as Lead developer by performing code reviews and organizing daily scrum meetings

Projects

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
- Implemented a fast and scalable database solution serving over 100 users using MongoDB
- Carefully designed NodeJS backend 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
- Organized group meetings and oversaw the progress of other team members

Password Manager

April 2019 – May 2019

Victoria Park Collegiate Institute, Toronto, ON

- Developed a password manager application in Java for teachers at VPCI
- Improved code flexibility by using Factory Method and Singleton design patterns
- Carefully designed Java Classes to maximize code reuse, modularity, and data encapsulation
- Improved search efficiency by 50% by utilising Binary Trees and HashMaps
- Discovered bugs early in development by testing regularly with JUnit