

# Colin Lin

125 Highhill Drive, Toronto, ON M1T 1N8 Canada

(647) 470-9183 | colin.lin@mail.utoronto.ca | <https://www.linkedin.com/in/colin-lin-2001/> | [My Portfolio](#)

## Skills and Abilities

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- Proficiency in HTML5, CSS3 and JavaScript demonstrated through the development of several successful web applications
- Strong knowledge of modern front-end frameworks such as Bootstrap, React, Gatsby and GraphQL
- Experience with no-SQL databases such as MongoDB and backend development with NodeJS
- Familiarity with integrating RESTful web services, developing backend APIs, and handling JSON data
- Experience with version control with GIT and native Android development in Android Studio
- Robust verbal communication and teamwork skills demonstrated through leading and organizing lessons for YMCA members as an assistant aquatics instructor

## Education

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### University of Toronto Scarborough

September 2019 – Present

Honours Bachelor of Science, Computer Science Co-op

## Projects

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### CourierU

May 2020 – Present

Freelance, Toronto, ON

<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
- Simplified data formatting and manipulation by using the no-SQL MongoDB database
- Carefully designed backend API to maximize code reuse, performance, and functionality

### Success Stories of New Canadians

November 2019 - Present

Freelance, Toronto, ON

<https://success-stories-of-new-canadians.netlify.app/>

- Designed a modern, and responsive web application using React and Gatsby frameworks, as well as HTML, and CSS3
- Reduced loading times and data fetching redundancies using GraphQL queries
- Implemented a low-cost and scalable hosting solution using Netlify CMS
- Organized group meetings and oversaw the progress of other team members

### Calculator App

January 2019 – March 2019

Freelance, Toronto, ON

- Developed a lightweight and modern scientific calculator application in Java using Android Studio
- Catered the user interface for mobiles phones and tablets using Android Studio's layout editor
- Implemented history functionality with abstract data structures to reduce complexity and accelerate development
- Debugged problematic code without affecting the main project by unit testing on separate branches using GIT version control

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## Work Experience

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### Math and Science Tutor

September 2019 – Present

Tutor Doctor of Scarborough

- Elevated student confidence in mathematics through foundation-focused teaching and positive motivation
- Improved student test scores by 10% by catering towards student learning styles and individual student needs
- Ensured a safe and comfortable environment with students, by addressing concerns, exhibiting empathy and understanding the students' situation

### Aquatics Assistant Instructor

September 2017 – June 2019

Scarborough Town Center YMCA

- Collaborated with instructors to organize swim lessons catered towards beginners
- Helped students overcome their fear of deep-water swimming by building their stroke form and technique
- Improved student time swim results through effective verbal communication and constructive feedback