

# Charmaine Yung

github.com/charyung

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(647) 202-2036

## Education

Candidate of Honours Bachelor of Science

2017 - 2021

- > Computer Science Co-op and Philosophy Programs, 4th year
- > Relevant courses: Design and Analysis of Data Structures; Algorithm Design, Analysis & Complexity; Introduction to Software Engineering; Engineering Large Software Systems

## Skills

### Languages

- > JavaScript/TypeScript, Python, Ruby, C#, HTML/CSS (SCSS), Java, Shell/Bash

### Technologies

- > React, Angular, jQuery, Thymeleaf, Ruby on Rails, Node.js, Vue, Django
- > Git, Subversion

## Experience/Projects

*Software Engineering Intern — Blaise Transit Ltd.*

React, React Native, Node.js, Javascript, Montreal, Canada // September 2020 — December 2020  
HTML/CSS

- > Contributed significantly to the React frontend application and API written with Node.js and Express by quickly and reliably completing assigned tasks
- > Improved performance and responsiveness of frontend application by up to [X]%
- > Refactored API such that each endpoint only depends on a single source of truth, reading the information it needs from the database when applicable instead of relying on the user to give the correct information
- > Implemented creation of accounts using Auth0 such that admins can securely create accounts for other users with only the user ever knowing their own password
- > Increased code coverage of API through writing Jest tests

*Streamlink.ml*

School project // March 2020 — April 2020

Vue, Node.js, Javascript, HTML/CSS

- > Designed and wrote the frontend, using framework features such as custom events for parent/child communication and a store using a Vuex-like module to share data between components
- > Helped with backend in Node.js with a peer-to-peer streaming service for users using WebRTC and individual stream rooms using Socket.io

*Software Developer — Vouchr Inc.*

Toronto, Canada // September 2019 — December 2019

React, JavaScript, Java, Thymeleaf, jQuery, HTML/CSS

- > Contributed to a Java CMS dashboard using Thymeleaf and jQuery, and to a React web application using language features such as Hooks and Context
- > Completed several highly requested features, such as the ability to clone and import from other content in the CMS, a complete redesign of outdated pages, and a countdown timer for the web application
- > Took initiative in fixing over 40% of bug tickets in the team during release weeks

*Junior Full Stack Developer — Verto Inc.*

Toronto, Canada // December 2018 — April 2019

Angular 6, TypeScript, Ruby on Rails, jQuery, JavaScript, HTML/CSS

- > Developed highly customizable patient management application for hospitals and clinics to improve operation efficiency and enhance patient experience, resulting in a decrease of document completion time by 39% and an increase of clinical capacity by 250%
- > Completion core features such as a display of the availability of clinicians in real time implemented with sockets
- > Created a comprehensive set of queries to gather metrics about the usage of the product

> Overhauled and redesigned application, laying down essential frontend groundwork including the style guide and a flexible card-based information organization system