

Scott Chu

SOFTWARE ENGINEERING CO-OP STUDENT

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Education

University of Alberta

Edmonton, AB

B.SC. COMPUTER ENGINEERING: SOFTWARE OPTION CO-OP GPA: 3.1

September 2018 - May 2023

- Alexander Rutherford Scholarship - Given to students in Alberta entering post-secondary institutions with excellent academic standings.

Skills

Languages	Python, C++, JavaScript, MATLAB, Bash, HTML, CSS, \LaTeX
Frameworks	React, Bootstrap, jQuery, Beautiful Soup
Others	Git/GitHub, Arduino, MacOS, Windows, Ubuntu, MS Office

Projects

Kaboom! | <https://github.com/howtobescott/kaboom>

BOOTSTRAP, PYTHON, BEAUTIFUL SOUP, GIT

- A web application that generates movie, TV show, and anime recommendations for users.
- Helped develop Python web scraping scripts.
- Led front-end development using Bootstrap.
- 24-hour hackathon project built with 4 other teammates, used Git for proper version control.

RSA Arduino Chat | <https://github.com/howtobescott/rsa-arduino>

C++, ARDUINO, GIT

- A C++ Arduino program that generates RSA encryption keys to encrypt/decipher messages sent between two Arduinos.
- Utilized bitwise operations and modular arithmetic to generate RSA keys.
- Developed clean and concise algorithms in C++.

Streak Timer | <https://github.com/howtobescott/streak-timer>

JAVASCRIPT, JQUERY, GIT

- A Rubik's cube timer that keeps track of consecutive solves under a certain goal time.
- Developed event handlers in JavaScript and jQuery.
- Created aesthetic dynamic styles with HTML and CSS.

RGB Color Game | <https://github.com/howtobescott/rgbcolorgame>

JAVASCRIPT, JQUERY, BOOTSTRAP, GIT

- A web application game that generates a random RGB color tag, and prompts the user to guess the color.
- Developed using jQuery to perform various DOM manipulations.
- Created clean and simple user interface using Bootstrap.

Experience

Kumon Learning Centre, Schonsee

Edmonton, AB

TEACHING ASSISTANT

June 2017 - August 2019

- Assisted students (ages 3 – 18) with various levels of reading, writing, and mathematics.
- Regularly communicated with parents regarding their children's learning to create a better learning experience for students.
- Entrusted with the responsibility of checking, ordering, and organizing the centre's homework supply.
- Given the keys to the building, and put responsible for opening and closing the centre.
- Met deadlines for marking and organizing 200+ homework folders during extremely busy hours.

Others

World Cube Association

COMPETITOR & VOLUNTEER

- Competed in 6 official World Cube Association Rubik's cube competitions.
- Official 3x3 Rubik's cube time of 12.62s.
- Official 3x3 Rubik's cube one-handed time of 26.98s.
- Judged official World Cube Association sanctioned solves.