

Elwin Cheng

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EDUCATION

Simon Fraser University — *High School Dual-enrollment*

Sep 2020 - Apr 2021

- **Courses:** Intro to Computer Programming I, Intro to Computer Programming II

University of Toronto

Sep 2021 - Apr 2026

BASc in Computer Engineering [Dean's List Scholar]

3.83 / 4.00 GPA

TECHNICAL SKILLS

Programming Languages: C/C++, Java, Python, Javascript, HTML, CSS

Frameworks/Tools: Git, Bash, React, Mongoose, Express, Heroku, MUI, MS Office

TECHNICAL PROJECTS

SimuTrade

github.com/elwincheng/simutrade

Technologies Used: MongoDB, Express, React, Node, Javascript, Alphavantage API, Finnhub.io API

- Developed a real-time stock trading simulator web application for users to practice investing, virtually trade stocks, and see their portfolio's performance.
- Learned necessary programming languages and libraries to build full-stack features such as user sign-in page, list of past stock trades page, and stock search-up page with autocomplete search bar.
- Design and implement UI, user authentication, and connection to MongoDB database
- Develop a RESTful API server that communicates with Mongo DB database, performs user authentication, and retrieves and formats stock data from external web APIs.

Algo Visualizer

github.com/elwincheng/algo-visualizer

- Developed a web app that presents a visual representation of Linear search and Binary Search on an array of numbers.
- Worked with HTML, Javascript, and CSS animations.

Frogger

github.com/elwincheng/Frogger

- Engineered a video game from scratch using Python and Pygame.
- Programmed with Python and the Pygame library

PROFESSIONAL EXPERIENCE

FH Coding Club — *Founder and Co-president*

Sep 2019 - June 2021

- Planned and presented Python, C++, and algorithms lessons during weekly meetings to 50+ members.
- Design and implement programming competitions that increased club membership by 20%

2812 Royal Canadian Army Cadet — *Non-Commissioned Officer*

Sep 2016 - June 2021

- Devise and teach lessons each week to cadets on skills such as leadership skills and how to light a fire.
- Lead cadets on hiking, cycling, and canoeing expeditions.

Canadian Youth Society — *Co-Director of Finance*

Dec 2018 - June 2021

- Built a website from the ground up to boost volunteer recruitment and brand awareness
- Worked alongside the executive team to organize a badminton tournament with 250+ attendees.