Elwin Cheng

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EDUCATION

University of Toronto   **S**ep 2021 - Apr 2026
BASc in Computer Engineering [Dean's List Scholar]   3.83 / 4.00 GPA

Simon Fraser University — *High School Dual-enrollment*   Sep 2020 - Apr 2021
Courses: Intro to Computer Programming I, Intro to Computer Programming II

TECHNICAL SKILLS

Programming Languages: C/C++, Java, Python, Javascript, HTML, CSS, MATLAB
Frameworks/Tools: React, Git, Bash, Mongoose, Express, Heroku, Material-UI

TECHNICAL PROJECTS

SimuTrade   *github.com/elwincheng/simutrade*

Technologies Used: MongoDB, Express, React, Material-UI, 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.
- Built **full-stack feature**s such as user sign-in page, list of past stock trades page, and stock search-up page with autocomplete search bar.
- Developed and deployed a **RESTful API server** that communicates with Mongo DB database, performs user authentication, and retrieves and formats stock data from external web APIs.

INest   *github.com/Black-Krypto/blacketh*

Technologies Used: React, Figma, Material-UI, Javascript, HTML, CSS
- Competed and won **Best Use of Github** at NSBE Hacks 2022, and developed the frontend in 24 hours
- Undertook the front-end role of implementing and deploying the front-end for a blockchain real estate app

Algo Visualizer   *github.com/elwincheng/algo-visualizer*
- Built a web app that visualizes Linear and Binary Search to aid others in understanding these algorithms.
- Worked with HTML, Javascript, and CSS animations.

PROFESSIONAL EXPERIENCE

FH Coding Club — *Founder and Co-president*   Sep 2019 - June 2021 | Surrey, BC
- 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 | Surrey, BC
- Devise and teach lessons each week to cadets on skills such as leadership and teamwork skills.
- led a group of 14 cadets on hiking, cycling, and canoeing expeditions.

CERTIFICATIONS

Responsive Web Design (2021) — Free Code Camp
Front End Development Libraries (2021) — Free Code Camp
Javascript Algorithms and Data Structures (2021) — Free Code Camp