

# E/C

# Elliot Chin

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## EDUCATION

**University of New Brunswick  
Fredericton**

BS – Software Engineering

## KEY SKILLS

### Technical:

React, Django, Antd Design,  
Bootstrap, PyMongo, Flask, System  
Design, Machine Learning, SQLite,  
SQLAlchemy

### Developmental Languages:

Python, Java, JavaScript, CSS (3),  
HTML (5), C, SQL, NoSQL, Racket,  
MatLab

### Third-Party APIs:

MongoDB, Circle CI, TuyaIoT

### Project Management:

GitHub, Agile, Trello, Google  
Drive

### Tools:

VS Code, VS Codium, Eclipse, GCC,  
Postman, GIMP, Discord, React  
Development Tools, Ubuntu, Linux,  
Mac, Windows

## ADDITIONAL SKILLS

### Spoken Languages:

English, Mandarin, Cantonese, Malay

## EXPERIENCE

### Software Developer

**University of New Brunswick • Fredericton, NB, CA**

2022, May – 2022, Dec

- I was the sole developer responsible for developing a department-wide automated tool for academic advising and accreditation purposes for the Canadian Engineering Accreditation Board (CEAB).
- Two tools were created with similar functionalities – collecting, extracting, transforming, loading, and analyzing data – from excel files and displaying them in a dashboard developed with Java's Swing library.
- Designing and implementing maintainable and robust code base for ease of future maintenance.
- Attend meetings with stakeholders to discuss requirements, designs, and report project's progress.

### Teaching Assistant

**University of New Brunswick • Fredericton, NB, CA**

2022, Sep – 2022, Dec

- I assisted a first-year Python instructor during lab hours in troubleshooting errors with students.
- Providing weekly extra help time outside of class hours to allow students to have more time to seek help with labs, assignments, and exam preparations.

### Research Assistant

**University of New Brunswick • Fredericton, NB, CA**

2021, May – 2022, Dec

- I assisted a research professor from the department of chemistry at UNB in simulating their PhD and Master students' experiments in a simulation software (COMSOL).
- Provided training and assisted chemistry students in using COMSOL to generate images for their honor papers.

## INTERESTS

### Hobbies:

Reading, Hiking, Coding

## PROJECTS

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### Automated Musicians

**ENGG4000 - Capstone Project**

**University of New Brunswick • Fredericton, NB, CA**

GitHub Repository: [Automated Musicians](#)

A system created with Python that uses programmed music theory, pattern recognition, and extraction to investigate the generation of music in an automated way.

### Student Tracking System

**SWE4103 – Software Quality and Project Management**

**University of New Brunswick • Fredericton, NB, CA**

GitHub Repository: [Student Tacking System](#)

A web-based application designed to assist university student advisors in their role of providing guidance to students. This system presents advisors with a well-organized dashboard displaying pertinent student information, and also automatically conducts student audits.

### Personal Portfolio

**Personal Project**

**Personal Project • Fredericton, NB, CA**

GitHub Repository: [Portfolio](#)

Come and take a look at my personal portfolio that I built using Vite and React, featuring some fantastic react-three fiber components. Creating this project was a thrilling personal challenge for me, as it allowed me to learn how to build visually appealing user interfaces with React. From presenting my skills and experiences to showcasing my previous projects, this portfolio provides all the necessary information about me. Although the website is still being developed, you can already check out some content by clicking on the link above.