

## OBJECTIVE / ABOUT ME

I'm an international, multilingual university student who's lived in 5 countries on 3 continents. My passions include playing high-level competitive chess, debate and working out. I pride myself on the great degree of adaptability, open-mindedness and resilience to change I developed as a result of the many environment changes I've gone through while growing up. I love trying new things and am currently looking for internship opportunities in computer science and software engineering-related positions so that I may deepen my technical capabilities and work on fascinating projects with high-caliber people in a diverse, multicultural environment.

## CORE SKILLS

**Coding:** Python, Java, JavaScript, HTML5/CSS3, C, Bash, MIPS assembly

**Frameworks/technologies:** Git, Linux, JQuery, Chart.js, React

## EDUCATION

**McGill University (cGPA 4.00/4.00)**

Montreal, Canada

*Bachelor of Science, Computer Science major, Finance minor*

August 2020 – Expected completion 2023

- Judie Rimer academic merit Scholarship recipient

- Key courses: COMP250 Intro to Computer science, COMP206 Intro to Software Systems, MATH240 Discrete Structures, MATH222 Calculus 3, MATH223 Linear Algebra, COMP251 Algorithms and Data Structures, COMP273 Intro to Computer Systems

**Seoul Foreign School - International Baccalaureate (42/45)**

August 2017 - May 2020

## WORK EXPERIENCE

**Teqoya - Software development intern**

June, 2021 – September, 2021

Tasked with collaboratively delivering PHP and JavaScript *data visualization web application*.

- Utilised Chart.js library to generate interactive charts and display trends for daily air quality sensor data.
- Implemented graphic data comparison and user-customizable downsampling capabilities in JavaScript.
- Contributed UI streamlining improvements (e.g. uncluttering axes, smoothing data curves through smart data decimation).

Jointly delivered end product used by the company to test and demonstrate efficacy of products by gauging air quality improvements in school classrooms, ensuring air quality improvements (reducing micro-particle pollution and carbon dioxide contamination)

**Seoul Foreign School - Digital Learning Coach intern at Educational Technology office**

Summer 2018

Worked with Digital Learning Coaches to enhance learning in elementary school classrooms through the implementation of technological tools and methods for children grades 1-8, led to increased youth comfort with technology and interest in programming.

- Set up Virtual Reality and robotics learning experiences in classrooms, provided arduino and programming workshops

## PERSONAL PROJECT WORK

**Chrome Extension - McGill RateMyProfs extension**

*Chrome web store link*

Set out to streamline and facilitate McGill course and professor selection process. To this end, developed and published JavaScript Chrome Extension that directly links a professor's ratemyprofessors.com page in McGill course websites, offering accessible tool used by over a dozen community members.

- Coded JS scripts to scrape course instructor data and modify McGill webpage HTML DOM to incorporate links with custom GUI
- Implemented data processing capabilities to procedurally generate professor-specific queries using web-scraped instructor data

**Personal Website**

*gcsmeric.github.io*

- Developed website from scratch in HTML, CSS and JavaScript to showcase personal projects with interactive GUIs, including:
  - **Sudoku Solver with GUI:** Developed Java program optimized to solve Sudoku, converted to JavaScript for web implementation
    - \* Implemented recursive backtracking solving algorithms to solve any user-inputted Sudoku in under 1 second
  - **2-player Chess with AI opponent:** Developed a fully playable chess game from the ground up without use of external libraries or guides in Python, capable of validating legal moves and algorithmically detecting checks, checkmates, stalemates.
    - \* Converted to Javascript and implemented with functional chess board GUI alongside rudimentary JavaScript AI to play vs. user using backtracking algorithm to find moves

## OTHER SKILLS

**Tutoring:** Provide private math tutoring to high school students, assisting with concept acquisition, exam preparation. Delivered tangible exam result improvements and developed pupil's analytical reasoning and problem-solving skills in a mathematical context.

**Languages:** Multilingual with English and French native fluency, Spanish and German high-level proficiency.

**Chess:** I am a competitive Chess player, played in team championships at a national level in France, Germany and South Korea, and achieved multiple top 15 individual national championship placings. Was a top 100 rated player in South Korea. Created and led my school's chess club, where I organized tournaments, hosted lessons and provided individual chess tutoring to students.

**Debate:** Experienced Model U.N. debater, chaired debates at multiple international conferences and was member of organization committee for SEOMUN XXII, an international debate conference with 600+ participants and a \$100K budget.