

Christine Yuanqing Hao

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EDUCATION

McGill University

Bachelor of Science, Major Computer Science, Minor in Management

08/2021 – 04/2025

Montreal, Canada

- Relevant Courses: Algorithms and Data Structures, Database Systems, Operating Systems, Probability, Organizational Behaviours.

SKILLS

Languages: French (Native), English (Native), Chinese (Native), Spanish (A2),
Programming Languages: Java, C, C++, HTML, CSS, JavaScript, Python, Bash, R, LaTeX, SQL, Mips(Assembly),
Developer Tools: VSCode, IntelliJ, Thonny, Git, CMD, Eclipse, Browser Development Tools,
Drawing & Design: Adobe Photoshop, Premiere Pro, Procreate, and conventional art. See portfolio on my website.,
Libraries & Frameworks: React, Matplotlib, ExpressJS

EXPERIENCES

Project Intern

Soteria120

06/2022 – 07/2022

Calgary, Canada

- Designed and executed data entry testing(input validations), user-experience testing in collaboration with a team of 3 interns.
- Give feedbacks on the accessibility of webpages which includes improving html forms, grids, CSS design layouts, etc.
- Lead UE and quality assurance report-writing.

Academic Assistant

Easy Group Inc McGill Division

08/2021 – 12/2021

Montreal, QC

- Mentored students in COMP202 tutoring classes, offering advice and support on topic selection, appropriateness, and Python code-writing.
- Maintained student database for each student contact.

PROJECTS

Markov chain of order k | Python

Implemented a markov model of order k that will, after inputting a file, obtain the probability of occurrence of each k-gram and generate a text of given length. It can also repair a corrupted text.

Finding The Closest Antenna Pair | Java

Implemented scripts able to search from two sets of antennas of two different companies and find the closest pair of antennas for the organizations to communicate using divide and conquer.

Personal Website | HTML, CSS, JavaScript

Built a website from scratch showcasing my experiences, projects, and paintings using responsive layouts.

Parsing sensor data logs for analysis | Bash, HTML

Designed a script to fetch the unprocessed data from a temperature sensor, extract/generate data that are relevant for usage, and store the processed data into a HTML file.

Biology research project | Excel

Designed and lead a research aiming to determine whether hydroponics can be an alternative to conventional agriculture by conducting experiments and using Excel to extrapolate data. Language: French

Web tower defense game | HTML, CSS, JavaScript

Building, in a team of 4 students, an interactive tower defense game which introduces the basics knowledge of computer science. .