

EDUCATION

McGill University – Montreal, QC – 2020-2023

- Bachelor of Science in Joint Honours Mathematics and Computer Science
- Horatio Alger National Entrepreneurial Scholar
- Relevant Courses: COMP 250–Introduction to Computer Science (Java), COMP 206–Introduction to Software Systems (in C)

Online Courses and Certificates

- Data Science Professional Certificate by IBM
- HTML, CSS, and Javascript for Web Developers by John Hopkins
- Machine Learning by Stanford

EXPERIENCE

Founder, Manager, Mentor, and Former Math tutor – Sunny Elite Club – Montreal, QC – Sep.2016-now

- Supervised 4 junior tutors and 35 students.
- Tutored 10 students per week in general math, logic, math competitions, and calculus.
- Mentor and guide students in STEM
- Organized and presented a total of 10 conferences (general promotion or math-related) or math/logic related workshops attended by more than 60 participants each.
- Promote the organization and its events through different social platforms such as Facebook and WeChat.

PROJECTS

Smith Normal Form Calculator

- Python
- Implementation of the Smith normal form algorithm including a class for matrices and 2 of its applications

Bouncing Balls Simulation

- Python (Tkinter)
- Balls that bounce off walls and each other
- Gravity and air resistance can be added too.

Montreal Neighborhood Analysis (in progress)

- Python (numpy, pandas, sklearn)
- Comparative analysis of the 19 borough of the city of Montreal
- Use clustering techniques to determine the best neighborhood for a user depending on their needs and preferences

Personal Website (jinghansun.com)

- HTML, CSS, JavaScript (React)
- Original design
- Website that presents my resume and projects

SKILLS

- Programming Languages: Python, Java, HTML/CSS, SQL, Javascript, C (to be learned)
- Tools and Technologies: Pandas, NumPy, Scikit-learn, Matplotlib, Tkinter, Tensorflow (in progress), React.js, Git, Linux/Unix, Bash
- Spoken Languages: English, French, Mandarin, German (intermediate)

INVOLVEMENT AND ACHIEVEMENTS

- HackQC – 3rd place overall – 2020
- Math contests honour roll and school champion – 2015-2019
- SHAD Fellow 2019
- First Aid Team – 2019-2020