Jing Han Sun

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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 Neighboorhood 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