

Brian Hu

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EDUCATION

McGill University – Faculty of Science, Montreal, Canada

2019 - 2023E

Bachelor of Science, Honors Computer Science & Minor in Statistics, CGPA: 4.00/4.00

- Completed Coursework: Linear Algebra I, Calculus I/II/III, Discrete Structures, Computers and Society, Foundations of Programming, Intro to Software Systems, Intro to Computer Science
- Upcoming Coursework (U1): Linear Algebra II, Probability, Intro to Computer Systems, Programming Language & Paradigms, Intro to Data Science, Intro to Statistical Computing, Honors Algorithms & Data Structures, Software Design, Intro to C++, Fundamentals of Statistical Learning

EXPERIENCE

ASAP Tutoring, www.asaptutoring.org

Summer 2020

Computer Science Tutor

- Work 9-12 hour shifts 40 hours/week through supervision of single guarded pools with patron to lifeguard ratio of 30:1
- Perform hourly maintenance checks and adjusting chemical levels through adding chemicals to ensure health standards are met
- Handle public relations with patrons to effectively enforce pool rules, ensured clear line of communication between superior is kept

City of Ottawa, Ottawa, Canada

2018 - 2019

Swim Instructor

- Instruct swimmers from preschool to advanced levels on fundamentals of swimming to improve technique and stamina
- Create weekly lesson plans to enhance learning experience and facilitate teaching process through organizing class schedules
- Conduct meetings with parents to discuss child's strengths along with areas of improvement and future steps to take

Kumon, Ottawa, Canada

Summer 2018

Teaching Assistant

- Introduce ideas to students and teach unfamiliar mathematical and English concepts from preschool to secondary school topics
- Coordinate with other assistants to efficiently distribute allocated weekly workload and prioritizing specific lessons for students

EXTRACURRICULARS

Computer Task Force, Montreal, Quebec

2019 - 2020

Member (Web and Server Team)

- Manage and hold office hours in Burnside basement to resolve technical issues involving printing and other equipment
- Contribute towards server backend during club-hosted hackathon using Django framework

Health and Fitness Club, Ottawa, Canada

2018 - 2019

Film Crew, Interviewer, Animator

- Filmed series for Rogers TV show "High School Happenings" for different high school events across Ottawa each month
- Conducted interviews with directors of events, school faculty members and students along with introducing several shows
- Created professional animations and transitions for show using Photoshop and Adobe After Effects

PROJECTS

Twitter Clone – Django & React Web App

- Twitter web app combining Django to handle backend with React for the frontend
- Features implemented include posting/viewing tweets, liking/retweeting tweets, user registration/authentication, exclusive feeds

LineTracker – Hackathon Project

- Web app created for DefHacks2020 using Python and MongoDB
- Used Yelp API to suggest neared restaurants with shortest queue times in consideration of pandemic

SKILLS

Programming: Python · Java · C++ · HTML · CSS · JavaScript · SASS · Bash · React · Flask · Django · MySQL · Unity · Swift

Communication: English · French · Chinese