

# Brian Hu

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## EDUCATION

### MCGILL UNIVERSITY

#### HONORS COMPUTER SCIENCE & STATISTICS MINOR

2019 - 2023E

Faculty of Science Scholarship (Top 5%)

Dean's Honour List

Tomlinson Engagement Award for  
Mentoring (TEAM)

Cum. GPA: 4.0 / 4.0

### COLONEL BY S.S

IB DIPLOMA || 38/45

Grad. May 2019

## LINKS

Facebook:// [brianhu.mcgill](#)

Github:// [BriannHu](#)

LinkedIn:// [briannhu](#)

Website:// [briannhu.github.io](#)

## COURSEWORK

### UNDERGRADUATE

Linear Algebra

Calculus I/II/III

Discrete Structures

Foundations of Programming

Intro to Software Systems

Intro to Computer Science

### UPCOMING

Linear Algebra II

Probability

Intro to Computer Systems

Programming Languages & Paradigms

Intro to Data Science

Intro to Statistical Computing

Honours Algorithms & Data Structures

Software Design

Fundamentals of Statistical Learning

## SKILLS

### PROGRAMMING

Python • Java • C++ • HTML

CSS • JavaScript • SASS • Bash

React • Flask • Django • MySQL

Unity • Swift

### COMMUNICATION

English • French • Chinese

## EXPERIENCE

### ASAP TUTORING | COMPUTER SCIENCE TUTOR

May 2019 – Present | [www.asaptutoring.org](#)

- Taught Python fundamentals virtually with Repl.it online interface.
- Prepared lesson plans and post-lesson notes for students to take home.
- Answered math and computer science questions on website forum.

### CITY OF OTTAWA | SWIM INSTRUCTOR

2018 - 2019 | Ottawa, ON

- Instruct swimmers from various levels on fundamentals of swimming.
- Created weekly lesson plans to enhance learning experience.
- Conducted meetings with parents to discuss child's strengths and future steps.

### KUMON | TEACHING ASSISTANT

Summer 2018 | Ottawa, ON

- 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 | WEB AND SERVER MEMBER

Jan 2020 - March 2020 | Montreal, QC

- 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.

### ROGERS TV | FILM CREW, INTERVIEWER, ANIMATOR

Sept 2018 - June 2020 | Ottawa, ON

- 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 APP | DJANGO & REACT WEB APP

- Twitter web app combining Django for backend with React for frontend.
- Implemented features include posting/viewing tweets, liking/retweeting tweets, user registration/authentication, exclusive feeds.

### LINETRACKER | HACKATHON PROJECT

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