

## HAOYU ZHANG

4111, Bannatyne, Montreal, H4G1C4

Cell: (514)243-8693, Email: haoyu.zhang@mail.mcgill.ca

Github: <https://github.com/aoyuzhang>

### EDUCATION

Bachelor of Science  
McGill University

Mai, 2019(expected)

**Major:** Mathematics and Computer Science

**Related Tech courses:** Operating System, Algorithm Design, Theory of Computation,

**Technical Skills:** Python, Java, C, SQLite, **Familiar with:** MatLab

### WORK EXPERIENCE

#### Undergraduate Research Assistant in Math with Prof Dani Wise:

Mai 2018 - August 2018

- Writing Program using Python to set-up a database of examples of topological spaces together with their properties.
- Analyze with teammate conclusion that can be drawn from the database of examples.

#### Undergraduate teaching assistant for Abstract Algebra1(Math235):

September 2017-  
December 2017 also  
September 2016-  
December 2016

- Mark the assignments of students and provide them with appropriate feedbacks.
- Give review sessions for the students for their midterms

#### Undergraduate Research assistant in Computer Science with Prof Joseph Vybihal:

Mai 2017-  
August 2017

- Worked on the Prometheus project for facial recognition using convolutional neural network for an autonomous robot.

### Campus Involvement/Personal Projects

#### McGill Robotics(Software team on Mars Rover)

September 2016- Mai 2017

- Wrote code for wind sensor detector to translate incoming signals to wind speed.

#### McGill Computer Task Force

September 2017-  
Present

- Write script to automatically update software in Campus's Computers

#### Math help Desk

- Help Desk Tutor, Help student with homework problems
- Helped in probability, Discrete Mathematics, Calculus, Abstract Algebra.

#### Yhacks(2017)

- Worked on procrastinate calculator

### Honorable Mentions:

- 2017 IEEE X-treme Competition: 4<sup>th</sup> in Canada
- Kattis Number 3 in Quebec(Under the name Leon Kennedy)
- Worked on Project Euler, Hacker Rank.