

# Yuxuan Chen

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## EDUCATION

### **St James Collegiate, winnipeg, Canada**

September 2013 - June 2016

Graduated with the highest overall average of 98 percent, achieved 100 percent in grade 12 Physics, chemistry and AP Calculus.

### **Faculty of engineering and Applied Science, University of Toronto, toronto, Canada**

September 2016 - present

First year Engineering Science student. Coursework include: structure and materials, Calculus, Linear Algebra, Fundamental of Electric circuits, Algorithms and Data Structures, Molecules and Materials.

CGPA 3.72/4.0

## SKILLS

**Programs:** Microsoft Word, Excel, Powerpoint, Matlab, Adobe Acrobat, CapStone software

**Computer languages:** python, C

**Languages:** fluent in English, mandarin, Cantonese

## PROJECTS

### **Global Space Balloon - 2015 & 2016**

- Designed and constructed a payload containing 2 cameras and a tracking beacon and used a high altitude balloon to send it to space.
- Researched various design for the payload, and made several prototypes with different shapes.
- Performed as the role of leader in this project and collaborated with teammates.

### **Girls For Change - 2016**

- Fundraised and made presentations to High school students to spread awareness regarding health related issues for young women in Africa.

### **World Cafe**

2016

- Started the World Cafe project in 2016, which brought students with diverse cultural backgrounds together to build community through the reading of first language novels, followed by student led discussions in English
- Planned annual "Culture Chaos" event. Students showcased their own cultures through

music, food, art, cultural activities.

## ACTIVITIES

### **SATURDAY TUTOR PROGRAM**

2017 Jan – present

- Tutor high school students maths and science every saturday for four hours.

### **YOUTH IN PHILANTHROPY**

2013 – 2016

- Visited local charitable organizations
- Consensus building on the committee around granting funds to specific organizations

### **STUDENT COUNCIL**

2013-2016

- Participated in a number of school activities and fundraising event.

## VOLUNTEER

### **Engineering Science Education conference Jan 20, 2017**

- Volunteered as operational assistant at ESEC conference

### **Linwood Day Care 2015 fall -2016 fall**

- Volunteered in day care centre for three hours a week

### **Manitoba Museum 2014 winter- 2015 fall**

- Volunteered in museum for three hours a week

## AWARDS

**Caley Math Contests in 2014** school champion and was ranked in the top 25 percent of contestants

**Fermat Math Contests in 2015** School champion and was ranked in the top 25 percent of contestants

**High School Physics Prize Examination in 2015** ranked top 4 in the province of Manitoba

**High School Physics Prize Examination in 2016** ranked second place in the province of Manitoba

**2015 Sir Isaac Newton Exam presented by University of Waterloo** Ranked in the top 5 % of all contestants

**The 60th annual Manitoba Mathematical Contest 2016** Fourth Prize Winner in the province of Manitoba