




# Laura Yang

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## Highlights

- Currently enrolled in 2nd year Mechatronics Engineering and Management at McMaster University
- Proficient in AutoCAD, Inventor, WordPress, HTML, CSS, Java
- Enthusiastically approaches presented problem to determine most efficient solution

## Education

### Bachelor of Engineering, Mechatronics and Management (CO-OP)

McMaster University Expected Graduation April 2022

#### Relevant Courses

- Engineering Design and Graphics (AutoCAD Inventor, engineering drawings)
- Introduction to Professional Engineering
- Engineering Computation (Python)

### Dogwood District Diploma

Crofton House School June 2017

- 2017 Schulich Leader Nominee
- 2017 AP Scholar Award
- Dogwood District Scholarship for Sports Leadership Recipient
- Margot Thompson Cup Award Winner (awarded for a high level of commitment, participation, and skill in sport)
- First Class Honours With Distinction (90%+ overall average) in grade 10 and 12
- First Class Honours (86%+ overall average) in grades 9, and 11

## Projects

### Laser Cutting September—December 2018

- Used AutoDesk Inventor to design and 3D model part of a gear train for a prosthetic hand
- 3D printed all parts then assembled the gear train

### Prosthetic Hand Gear Train September—December 2018

- Used AutoDesk Inventor to design and 3D model part of a gear train for a prosthetic hand
- 3D printed all parts then assembled the gear train

### Garbage Disposal System September—December 2018

- Underwent engineering design process to create personalized garbage disposal system for wheelchair bound client
- Considered constraints such as existing patents, safety, and cost

### Space Invaders May — June 2017

- Used object oriented programming to independently create video game in Java

### Personal Website April 2014 — Present

- First project which introduced me to the concept of programming
- Continue to maintain and update website

## Work Experience

### Fabricator August 2018

MakerLabs, Vancouver, BC

- Took detailed instructions to create custom pieces for clients
- Quickly familiarized myself with laser cutting, CNC, and tools within the woodshop and metalshop

### Web Developer July 2017— August 2017

Trinity Chapel Multicultural Society, Port Coquitlam, BC

- Worked independently to create a website for the church in a 2 month deadline
- Strong **verbal communication** skills to report website design progress periodically

### Peer Tutor Sept 2013— June 2017

Crofton House School, Vancouver, BC

- Increased patience as a tutor in science, math, and computer science for high school students
- Strengthened **time management** as one of the most requested tutors

### Geering Up! Junior Instructor August 2015

University of British Columbia, Vancouver, BC

- Demonstrated **problem solving skills** while leading a group of 20+ elementary students in engineering related activities
- Developed **teamwork skills** while creating coding activity for campers

## Extra Curricular

### Second Year Representative January 2018 — Present

McMaster EngiQueers

- Increased **interpersonal communications** through event advertising
- Strengthened **team work skills** while planning several events to help raise awareness of the LGBTQ+ community

### McMaster Varsity Water Polo September 2017 — Present

- Improved **time-management** through committing to 8+ hours of practice per week
- Placed 2nd at the 2017 National Collegiate Water Polo Championships

## Skills

### Programming

- Proficient in Java
- Proficient in HTML
- Proficient in CSS
- Proficient in Python

### Software

- Proficient in AutoCAD Inventor
- Proficient in MS Office and Adobe Creative Cloud
- Proficient in Eclipse
- Proficient in Matlab