

# Vanessa Ho

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## HIGHLIGHTS OF QUALIFICATIONS

- ♦ Strong teamwork experience gained by working on multiple group projects to design complex solutions through participating in Hackathons
- ♦ Effective organization and time management skills gained through participation in extracurricular activities
- ♦ Goal-driven, detail-oriented, and quick to adapt to new environments and situations
- ♦ Outstanding visualization skills at interpreting mechanical design drawings from experience in engineering projects and through practice
- ♦ Fluent in English, Cantonese, and basic French

## SKILLS

### Laboratory:

- ♦ WHMIS certified
- ♦ Machine Shop
- ♦ 3D printing
- ♦ Laser Printing
- ♦ Band saw, drill press, scroll saw, table saw

### Software:

- ♦ Python
- ♦ MATLAB
- ♦ AutoCAD
- ♦ Autodesk Inventor
- ♦ SketchUp
- ♦ Basic Java, JavaScript, HTML

## EDUCATION

**Second Year Mechanical Engineering and Society** **Class of 2023**  
McMaster University, Hamilton, Ontario

## EXTRACURRICULAR ACTIVITIES

**McMaster National Design League Designathon** **January 2020**

- ♦ Worked in a team to design an innovative feasible idea
- ♦ Used Autodesk Inventor to CAD design as well as create simulation video of prototype

**McMaster University DeltaHacks IV** **January 2020**

- ♦ Worked in a team to create an app that allowed for communication between two users
- ♦ Used Android Studio and Java to create the app
- ♦ Lead in UI/UX design process and learned basic Java, JavaScript, and node.js

**ElleHacks 2020** **January – February 2020**

- ♦ Worked in a team in an all female/non-binary hackathon, ideating and creating a game that educated young audiences on sustainability, climate change, and water pollution
- ♦ In charge of UI/UX design, as well as business model
- ♦ Learned about importance of women in STEM

## EXPERIENCE

**OEC Volunteer** **December 2018**

- ♦ Volunteered for the Ontario Engineering Competition and provided judges and participants with a good experience
- ♦ Strengthened communication skills through answering questions and giving directions

**YCDSB Summer School Languages Program** **August 2018**

- ♦ Worked in administration and performed daily errands
- ♦ Strengthened organizational and communication skills through communicating with students and guardians

**High School Tutor** **March 2017 - 2018**

- ♦ Volunteered for high school tutoring program
- ♦ Tutored in Gr.9 Math and Gr.10 Science

## INTERESTS/ACHIEVEMENTS

- ♦ Competed in regional school badminton team throughout high school
- ♦ Learned classical piano for 14 years and completed Level 10 of RCM and completed Advanced Rudiments Theory
- ♦ Advanced swimming
- ♦ 7 years of art lessons, can draw landscapes, sketches, and animated characters
- ♦ Performed choreography in high school anti-bullying coffeehouse