



Judy Liu

Aspiring Software Engineer

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Profile

I am a strong and outgoing leader who has an intense passion for STEM subjects, a strong drive to create change and a powerful desire to inspire others. My entrepreneurial spirit combined with my relentless pursuit for knowledge allows me to continually grow and thrive.

Technical Skills

Java	● ● ● ● ●
Android Dev	● ● ● ● ●
HTML & CSS	● ● ● ● ●
Python	● ● ● ● ●
Bentley Structural	● ● ● ● ●
Microstation	● ● ● ● ●

Experience

VEX Robotics - *Team 4308 Member* 2014 - 2016

- Built a working 18" x 18" robot designed to play against other teams in a game-based engineering challenge
- Created an engineering notebook that documented our designs and iterations

Foundation of Student Science & Technology 2015

- Researched alongside McMaster's Dr. Adriaan Buijs in nuclear physics
- Conducted an experiment using a Geiger Counter on radon detection
- Wrote a detailed scientific paper on the health effects of radon in both humans and animals and discussed my experiment

HATCH - *Structural Engineer Intern* 2014

- 3D Modelling using Microstation and Bentley Structural
- Created 2D annotated drawings of buildings using both programs

Red Cross Youth Action Group - *Chairperson* 2013 - 2016

- Led fundraising events for the Canadian Red Cross initiatives
- Responsible for planning events, delegating roles and providing guidance for 60 council members
- Was previously a Student Ambassador and Director of Administration

The Woodlands Prefects - *Co-Head* 2013 - 2016

- Leadership group who focuses on fundraising and raising awareness for various local and global charities
- Created a user-friendly and aesthetically pleasing website
- Led and organized a team of strong, enthusiastic individuals to success at these events

DECA - *Competitor & Director* 2012 - 2016

- Met on a weekly basis to enhance business skills for case competitions
- Responsible for teaching weekly lessons
- Placed 4th provincially for Independent Business Plan
- Placed 6th internationally for Business Law and Ethics

Education

University of Waterloo 2016 - 2021
CANADIDATE FOR SOFTWARE ENGINEERING (BSE)

The Woodlands School 2012 - 2016
OSSD, ENHANCED LEARNING PROGRAM