

Judy Liu

Software Engineering Student

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Technical Skills

Java, HTML & CSS, Python, C

Education

University of Waterloo 2016 - 21
Candidate for Software Engineering (BSE)

Awards

First Place EC Hacks 2016
• Sign Language Translator

Most Innovative Hack 2016
• Sign Language Translator

DECA International 6th 2015
• Business Law and Ethics

DECA Provincial 4th 2016
• Independent Business Plan

Schulich Leader Nominee 2015
• The Woodlands School

Waterloo Euclid Top 25% 2016
• University of Waterloo

Interests

- Volleyball
- Skiing & Snowboarding.
- Travelling

Projects

Sign Language Translator - *Leap Motion Orion (Python)*

- Translates Sign Language to text and speech utilizing Leap Motion

Productivity (Hack The North) - *Android Studio (Java)*

- Android application aimed to increase student's productivity

Employee Database - *Java*

- GUI Java Application that allow users to store employee data

Bop It! - *Arduino (C)*

- Microcontroller board with 9 Levels of the game Bop It!

Prefect's Website - *HTML, CSS*

- Website for promoting The Prefects (charity organization)

Experience

VEX Robotics - *Team 4308 Member* 2014 - 16

- Built an 18" x 18" x 18" Robot that competed against other teams in the VEX Robot Challenge
- Documented all designs and iterations in an engineering notebook that was nominated for the 2014 Design Award

Foundation of Student Science & Technology 2015

- Researcher alongside McMaster's Dr. Adriaan Buijs in nuclear physics
- Wrote a detailed scientific paper on the health effects of radon in both humans and animals and discussed my experiment on radon progeny

HATCH - *Structural Engineer Intern* 2014

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

Red Cross Youth Action Group - *Chairperson* 2013 - 16

- Led fundraising events for the Canadian Red Cross initiatives that raised over \$14 000 annually
- Responsible for planning events, delegating roles and providing guidance for over 60 council members

The Woodlands Prefects - *Co-Head* 2013 - 16

- Created a user-friendly and aesthetically pleasing website that informed students about important global issues
- Led and organized a team of strong, enthusiastic individuals to raise over \$10 000 annually while promoting awareness for charities

DECA - *Competitor & Director* 2012 - 16

- Met on a weekly basis to enhance business skills for case competitions
- Responsible for teaching weekly lessons to improve students' skills

Woodlands Varsity Volleyball - *Captain* 2012 - 16

- Left-Side Starter who played an integral leadership role by motivation and inspiring the team