

Patricia Liu



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Computer Engineering 1B

SUMMARY OF QUALIFICATIONS

Highly experienced in programming with C/C++ on Windows.

Exposure to Java, HTML/CSS, Javascript, RobotC, Bash, and Python.

Exposure to the Linux Operating System

Great leadership, teamwork, and communication skills gained from coaching and leading a robotics team.

Excellent self-teaching skills shown by learning Java, HTML/CSS, Javascript, Bash, and Python online.

RELEVANT PROJECTS/EXPERIENCE

VEX Robotics

March 2018- February 2019

Bell High School, Ottawa, ON

- Participated in the 2018 VEX Robotics Competition Turning Point
- Led a team to design, build, and program a VEX robot; self-taught RobotC to program the robot to move and launch balls; researched gear ratios to build an efficient dual flywheel launcher; investigated the physics of launchers to calibrate its trajectory; and designed the robot's structure.

Website

November 2019 -

WORK EXPERIENCE

Coach/Summer Camp Counselor

SOONG BADMINTON ACADEMY; Ottawa, ON

June 2017-August 2019

- Certified as an NCCP Regional Badminton Coach by Badminton Canada.
- Provided child care for a minimum of thirty families during the summer and march break, and weekends.
- Supervised a group of six to twelve children (ages varying depending on the season) and gained patience.
- Taught correct badminton technique and organized activities for the children to apply the skills they've learned, thus attaining great communication and observation skills.
- Collaborated with a team of 10 counselors and volunteers to ensure the safety and satisfaction of campers, therefore demonstrating teamwork.

Junior Counselor

DOVERCOURT RECREATION CENTER; Ottawa, ON

8/10/2015- 8/15/2015, 3/14/2016- 3/18/2016

- Provided childcare for two dozen families during the summer and march break.
- Coordinated and implemented fun activities for children, from ages five to seven years.
- Collaborated with three other counselors to ensure the safety and satisfaction of the children, improving teamwork skills.
- Maintained an understanding of handling and responding to emergency situations.

Student Assistant Teacher

XING XING CHINESE DAYCARE; Ottawa, ON

September 2013-June 2017

- Provided childcare for over a dozen families after school.
- Organised and assisted in outdoor activities for children, from ages four to eleven years.
- Ensured their safety from moving vehicles, strangers, and other hazards.
- Helped the children with their math and Chinese work.

VOLUNTEER EXPERIENCE

SBA Fundraiser Tournament Organiser

SOONG BADMINTON ACADEMY; Ottawa, ON

August 2017- March 2019

- Managed approximately 20 to 30 volunteers of all ages in setting up and cleaning up the facility, operating the registration, and referring matches between athletes: leadership and teamwork gained.
- Ensured the satisfaction of the athletes and the following of rules.

AWARDS & INTERESTS

Piano

September 2005- August 2017

Programming

January 2016- Present

Badminton

August 2016- Present

Volleyball

May 2011- Present

Silver Medal (9, 10, 11, & 12)

NCCP Regional Badminton Certification

Grade 11 Gifted Chemistry Subject Award

Leadership Award

Volleyball Defense Award

HOSA Sports Medicine: 8th place