

Caitlyn (Yanting) Zhang

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SUMMARY OF QUALIFICATIONS

- Thorough knowledge and interest in Computer Science; basic knowledge in Statistics and Economics
- Experience in web development with ReactJS and CSS obtaining from StarterHacks 2020 as one of a 4-person team
- Effective communication skill and problem-solving skill developed through establishing and improving the elevator on the robot, as well as holding school-wide performance as one of the producer team
- Proficient data analysis skills gained by conducting several projects with teammates in data management class
- Full of passion and curiosity; self-disciplined and self-motivated; always eager to learn new things

SKILLS LIST

- Programming: C (learning in class); Scheme; JavaScript (learning online); HTML (Basic); CSS (Basic)
- Microsoft Office Suite: Excel (Proficient in Lookup, Pivot Table, Power Queries, Power Pivot); Word; PowerPoint
- Modeling: FreeCAD (Basic)

EDUCATION

University of Waterloo

Sep 2019 - Apr 2024

Candidate for Bachelor of Computer Science

Waterloo, ON

GPA: 93.2 / 100

- Awards: University of Waterloo President's Scholarship (2019), Euclid Math competition reached the first 25% (2019)
- Coursework: Functional Programming; Algorithm Design and Data Abstraction; Linear Algebra; Calculus; Statistics; Economics etc.

PROFESSIONAL EXPERIENCE AND PROJECTS

Course Schedule Optimizer Webpage

Jan 2020 - Jan 2020

Web Development Project in StarterHacks with 3 other teammates

Waterloo, ON

- Developed a dynamic website page which can extract useful course code from the text copied from student's course information page, using CSS and ReactJS
- Designed the main page and a popup dialogue box with student's current-course list and a searchable dropdown list with all courses, getting from the API of University of Waterloo, for further on adding/ dropping courses

Date & Day of the Week Convertor Project

Sep 2019 - Sep 2019

Functional Program

Waterloo, ON

- Programmed a convertor that inputs the date and outputs the corresponding day of the week using Dr. Racket (a Scheme language); received full marks for this assignment project
- This program can handle all dates after January 1st, 1753 AD and convert the date within 1 second

OTHER EXPERIENCE AND PROJECTS

FRC Robotics Competition

Jan 2019 - Apr 2019

Mechanic of School Robotic Team

London, ON

- Constructed arms and elevator on the robot as a member of the mechanical team in high school; communication and cooperation skills developed through the group meeting and teamwork
- Eliminated the fusion inside elevator by adding a self-designed 3-D printed spacer; developed the problem-solving skills
- Our robot was able to load cargo to cargo ship and our team went into the last 16, setting the best record of our school

3-D Printer Construction

Sept 2018 - Dec 2019

STEM Project with 4 teammates

London, ON

- Built a well-functioned 3-D printer, from a DIY kit, that can make solid pieces of parts
- Organized the component assembling and before-use testing, developed a thorough understanding of its structure
- Conserved around \$180 for the STEM team and it is used for later projects

Analysis on Two-Variable Relationship

Nov 2018 - Dec 2018

Data Collection & Analysis Report

London, ON

- Collected data from students in London International Academy through handing out the research survey
- Hypothesized the relationship between the relationship between homework time and sleeping time based on relevant research reports, and analyzed the collected raw data using tables, charts and graphs in MS Excel
- Wrote a 2900-word analytic report on this topic and present it orally, receiving 90% on this project

LEADERSHIP EXPERIENCE

Association Day Performance

Apr 2017 - May 2017

Vice-producer Students' Association Union

Suzhou, PRC

- Held a school-wide performance for the Association Day with the producer team
- Arranged program schedule, support crew and the rehearsal venues
- The performance succeeded and effective communication skill, problem-solving skill has developed