ELIZABETH LIN

University of Waterloo · Candidate for BASc Biomedical Engineering (2023)

SKILLS

Languages: C++ · C# · Python · SQL · Javascript
Technology: Git · MySQL · MATLAB · FileZilla · Postman · Jira · SolidWorks · TestRail · Jenkins
→ Fluent in **English & Cantonese;** conversational in **Mandarin**

COURSEWORK

Digital Computation
Data Structures & Algorithms
Introduction to Biomedical Design
Prototyping, Simulation & Design
Physiological & Biological Systems

EXPERIENCE

Jan-Mar 2020

VirtaMove | Software Developer Intern
Ottawa, ON
- Developed a program to obtain the COM/DCOM & COM+ objects remotely from a Windows operating system in **c++** through **querying the WMI client**
- Developed **python** script that facilitated the consolidation of multiple registry keys
- Worked closely with a full-time developer to gather data and metrics remotely (files, registries, COM, DCOM, etc.) to be used for subsequent **data analysis**

May-Aug 2019

Veeva Systems Inc. | Quality Assurance Engineer Intern
Toronto, ON
- Developed test plans using **TestRail**, that address areas such as **database impacts, software scenarios, regression testing, bug retests, & usability**; documented software defects using **Jira**, and reported defects to Software Engineers & Product Managers
- Critiqued **technical design decisions** for a new feature through the analysis of function requirements & designs with consideration of potential problems, **in order** for production

Jan-June 2018

Junior Achievement - Zentus | PR Specialist
Toronto, ON
- **Co-founded** a **non-profit** student run company aimed to break the stigma surrounding mental health & improve **mental well-being** in society
- **Coordinated & led** a public hosting networking event to **inspire** other students; **reached out** to known individuals to speak about their own unique journey to success

2015-2018

Spirit of Math Inc. | Teacher's Assistant
Toronto, ON
- Observed each student's performance in detail to record relevant data to assess progress
- **Reinforced learning concepts** by reviewing material with students one-on-one
- Collaborated with the teacher to **plan & execute lessons** to empower the company's curriculum, goals & objectives

PROJECTS

The Key to Sleep | 2018
Invented a low-intensity **sensor stimulating** device targeted to children with Autism to **establish an engaging sleep routine.**

Revolution | 2018
Engineered an **innovative and challenging puzzle** composed of **3D printed** moving components designed in **SolidWorks.**

ZenTracker | 2018
Performed **testing & quality control** for the development of an app aimed to improve one's **mental fortitude** through daily tips and statistics.

ZenBox | 2018
Designed, promoted & led the production of a stress relief kit which comprised of **instant relief elements** for **long-term satisfaction.**