Emily Wang

Systems Design Engineering

✉ e47wang@uwaterloo.ca
📞 647-983-0360
in emwang11
○ emilwang11

Summary of Qualifications

- **Development:** JavaScript, Java, C/C++, HTML, CSS
- **Tools/ Frameworks**: Bootstrap, JQuery, Android
- **UI /UX:** Photoshop, InVision, Sketch, SolidWorks,
- Exceptional leadership and communication skills acquired through work and volunteer experiences
- Fast and eager learner

Projects

Thrive – UofTHacks Project

- Designed front end of **Android** app that helps immigrants settle down
- Used Machine Learning APIs to provide translation for objects in captured in photos and speech
- Won **IBM's best Watson Hack** Prize

DECA Exam Program

- Programmed test taking application in **JavaScript** using P5 library and **object-oriented programming**
- Enabled students to compile challenging questions into own practice test with features implemented through **sorting and searching algorithms**

5-Minute Blog –StarterHacks Project

- Developed website for digital journaling with the intent to improve mental wellness using **Bootstrap** and **JQuery** frameworks

Fruity Catch Game

- Followed the **Software Development Lifecycle,** flowcharted and created **UML diagrams** to effectively execute project
- Programmed computer game in **Java** with Processing library

Education

Systems Design Engineering

- University of Waterloo / 2023
- Ranked 9th out of 100 in class

Experience

IT Desktop Support

Pivotal Software | Jan 2019 – Present

- Problem solved to resolve hardware, software and network issues on a local and global level
- Contributed to Google App automating computer management developed using **JavaScript**

Sponsorship Member

Waterloop | Sept 2018-Dec 2018

- Secured **$2000** in funding through reaching out to sponsors and pitching for grants

DECA President (Business Organization)

John Fraser SS

Sept 2014-Jun 2018

- Facilitated engaging weekly training meetings attended by **100** members and led 10-person executive team
- **Doubled** the amount of competitors from my school qualifying for Provincial competition
- Placed **1st** at the Provincial competition out of 250 others in impromptu business case study presentations

Swim Instructor/Lifeguard

City of Mississauga

Sept 2017-June 2018

- Adapted communication and lesson style to fit a variety of ages from toddlers to adults, and people

Awards and Achievements

University of Waterloo

- President's Scholarship of Distinction

John Fraser S.S.

- The Governor General's Academic Medal (highest average in graduating class)
- Principal's Award for Student Leadership