



# Charmaine Wang

2A Systems Design Engineering

647-760-9601

charmainewangyy@gmail.com

charmainewang.ca

## EXPERTISE

### Design

InVision  
Sketch  
SolidWorks  
Adobe  
Creative Suite

User Stories  
Personas  
Branding  
Market  
Research

### Development

HTML  
CSS  
JavaScript  
jQuery

C#  
C++  
Swift  
SQL

### Tools

Bootstrap  
Eclipse  
Docker  
Robot  
Framework

Xcode  
Microsoft Office  
API.AI  
Git

## EXPERIENCES

### Web Application Developer

Sun Life Financial

Fall '17

- Identity, branding and web design/development of the Innovation Program website, highlighting team projects and the working process to build a stronger, better connected team.
- Managed a team of 4 through agile work and delivered a completed internal website in the span of 2 weeks.
- Wire framed and prototyped new functionalities of the mySunLife mobile app using Sketch, Illustrator and InVision; Project in deliver

### Programmer Analyst

Telus Health

Winter '17

- Developed and compared micro-services running on different servers (Node.js, Tomcat, Pippo, Spring Boot) for optimum compatibility in pipeline.
- Created Docker images and containers to improve pipeline scalability and solve micro-service deployment issues.
- Performed database migration from Oracle to Amazon Aurora to have data stored in a cloud based database.
- Developed PoC for Amazon Schema Conversion Tool usage for company AWS use in the future.

### Marketing Director

University of Waterloo

Present

- Rebranded Waterloo Engineering Hackathon and designed print media for 250 participants.
- Centralize advertising and create an effective advertising plan between events to increase student interaction.

## EDUCATION

### Systems Design Engineering

University of Waterloo

Expected graduation year: 2021

- Human Factors in Design (Ergonomic Studies), Digital Computation (C++), Digital Design (Circuits), Digital Lab (SolidWorks)

## PROJECTS

### Balance

#### Improvement Board

- Defined design process to create an adjustable exercising platform for quadriceps toning.
- Refined design iterations and prototypes through user testing.

### ElectroGO

- Prototyped an electric vehicle companion app for Waterloo Engineering Competition.

### Logo Design

- Designed a logo for Horizon Sun Holdings Inc. branding.
- Exceeded client's expectations to improve market presence through brand recognition.

### Snapchat Geofilter

- Designed and produced 2 geofilters, which are used daily by approximately 600+ high school students.

## INTERESTS

Cooking  
Fitness  
Travelling  
Volunteering

Jazz  
Photography  
Watercoloring  
Videography