



Charmaine Wang

Systems Design Engineering

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EXPERTISE

Design

InVision User Stories
Sketch Personas
SolidWorks Branding
Adobe Creative Suite Market Research

Development

HTML C#
CSS C++
JavaScript Swift
jQuery SQL

Tools

Bootstrap Xcode
Eclipse AWS
JIRA API.AI
Robot Framework 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.

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), Data Structures and Algorithm (Python), Digital Design (Circuits), Digital Lab (SolidWorks)

PROJECTS

Safer Cyclist Jacket

- Designed and built an Arduino system to increase cyclist security through an LED turn signal, proximity detector, and automatic nightlight.

ElectroGO

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

Balance Improvement Board

- Defined design process to create an adjustable exercising platform for quadriceps toning.

Freelance

- Designed logos for Sun Life Innovation Lab and Horizon Sun Holdings Inc.
- Designed and produced 2 Snapchat geofilters, which are used daily by approximately 600+ high school students.

INTERESTS

Cooking Jazz
Bouldering Photography
Travelling Watercoloring
Volunteering Videography