

Sophie Qin

3rd Year Computer Science student

sophie.qin@uwaterloo.ca

sophieq.github.io

+1 204.297.9907

github.com/sophieq

linkedin.com/sophie-q

Work Experience

Associate Engineer - Monetization

Wattpad

May - Aug 2019

Integrated rewarded video ads into the iOS app, expected to increase weekly paying users by >15%.

Piloted a Wattpad coin gifting system to half of the iOS user base in the US, determined implementation would result in a ~\$5k increase in monthly revenue.

Increased test coverage in the iOS app by facilitating a UI testing session for iOS developers, and writing test documentation for new hires.

Developer

TD Lab

Sep - Dec 2018

Optimized the location accuracy of a machine learning pipeline through refactoring its position mapping algorithm.

Improved storage and authentication of an internal iOS app by designing and implementing a Firebase database.

Pitched functional prototypes to TD Innovation EVPs for commercialization.

Projects

Competition Judging Android App

DanceFest Team, UW Blueprint

Developed an Android app to automate the OSS Dance Festival judging process, increased attendance to 500+ participants.

Utilized Firebase to pre-populate contestant information into digital score sheets and automatically calculate scores to determine winners.

Chamber Crawler 3000

Applied OOP design patterns to create a text-based dungeon crawl role playing game in C++.

Maximized code scalability by designing software architecture utilizing MVC principles.

Real-Time Chat and Connect iOS App / 1st Place

TD Hackathon

Leveraged Firestore to connect students with financial advisors through in-app messaging.

Added RESTful APIs to populate a user's news feed with relevant financial information.

Skills

Swift

Python

C++

C

Objective-C

HTML/CSS

Photoshop

Illustrator

Education

University of Waterloo

Candidate for Bachelor of Computer Science

Average: 85.0

Expected Graduation: May 2022

Relevant Coursework

Object-Oriented Programming
Algorithms

User Interfaces

Operating Systems

Data Structures

Extracurriculars

Project Developer

UW Blueprint

Secretary

UW Women in STEM

Interests

UX/UI Design

Human Computer Interaction

Greek Mythology

Volleyball

Zumba