



Raymond Lam

3A Software Engineering

 imraymond29

 imraymond29.github.io

 raymond12

 raymond.lam@edu.uwaterloo.ca

Skills

Languages: C++, Swift, Python, Java, Javascript, HTML/CSS, SQL

Technologies: BigQuery, Spanner, MySQL, MongoDB, Node.js, Android, iOS

Other: Git, Vim, Protobuf

Experience

Google

Sept. 2017 — Dec. 2017

Software Developer Intern | Display Ads Infrastructure

Waterloo, ON

- Designing and developing experiment diversion point recommendation system based on historic experiment data

Google

Jan. 2017 – Apr. 2017

Software Developer Intern | Content Ads Experiments

Waterloo, ON

- Redesigned a component of the A/B testing framework used to select experiments in the ads-serving infrastructure to reduce code complexity
- Implemented design and unit testing in C++11, and integration tests in Python

Osellus

May 2016 – Aug. 2016

Software Developer Intern | Mobile iOS

Toronto, ON

- Worked on an iOS application using Swift that reinforces learning in the workplace by presenting resources and administering quizzes (Application : ECHO Learning Reinforcement)
- Improved data retrieval speed by reducing HTTP requests by 80%
- Implemented full offline mode by locally writing and caching data
- Worked closely with UI designers and UX designers to redesign the entire user interface of the application
- Migrated and refactored Objective-C codebase to Swift

Projects

Tilt Tilt

C, Texas Instruments Launchpad, Orbit Booster Pack

- One-player game where the user tilts their device in the direction of arrows that appear on the LCD display

League Tracker

Android, Java, MongoDB, ExpressJS, Node.js

- Android application where users connect with other summoners to communicate in real-time and create champion drafts (Currently a work in progress)

Education

University of Waterloo

Apr. 2020

Candidate for Bachelor of Software Engineering (BSE)

Cumulative Average: 83.36%

GPA: 3.64

Awards

University: Dean's Honour List (1A), President's Scholarship of Distinction

High School: Governor General's Award, CEMC Euclid Math Contest 90th percentile