

Colin Marsch

cjpmarsc@uwaterloo.ca • 204-801-9865
https://colinmarsch.me • Github://colinmarsch

EDUCATION

University of Waterloo

CANDIDATE FOR BACHELOR OF
HONOURS COMPUTER SCIENCE
2016 - Apr 2021 | Waterloo, ON
Cumulative GPA To Date: 86.2%

SKILLS

Languages

Kotlin • Java • JavaScript
Swift • Python • C++
C • HTML & CSS • SQL

Technologies and Tools

RxJava • Dagger • Unix
Flask • Git • React.js • Node.js
scikit-learn • AWS
Test Driven Development

INVOLVEMENT

Microsoft Student Partner

September 2017 - June 2018

- Worked with student partners across Canada to plan and deliver events such as tech workshops and hackathons
- Presented in two [Node.js](#) chat bot workshops

AWARDS

Competition

Code to Win 2018 - Finalist

MSFT Hacks 2017 - 3rd Place

Equithon 2017 - Category Winner

Academic

Dean's Honour List
Winter 2017 and 2018 Terms
University of Waterloo

EXPERIENCE

Square | ANDROID SOFTWARE ENGINEER INTERN

January - April 2019 | San Francisco, CA

- Worked on Square's [Android](#) Point of Sale (POS) app to build features for business management
- Built a new applet within POS using [Kotlin](#), [RxJava](#) and [Dagger](#) to allow for order state tracking and refunding
- Developed initial state design and customization options of revamped sales reports using [Square's Workflow Library](#)
- Contributed to the development of [LeakCanary 2](#) by assisting in the conversion to [Kotlin](#)

SAP Canada | MOBILE DEVELOPER INTERN

May - August 2018 | Waterloo, ON

- Worked on the [SAP Android SDK](#) team to develop sample apps for use by early access customers and in product pitches
- Developed native [Android](#) apps using [Java](#), including features such as offline data storage and multiple users on one device
- Apps developed used in demos at the SAP Sapphire 2018 conference with over [21,000 attendees](#)

CIBC Live Labs | SOFTWARE ENGINEERING INTERN

September - December 2017 | Toronto, ON

- Worked on native development of an internal project sharing [iOS](#) app using [Swift](#) and the [Java Spring Framework](#)
- Developed prototype of a credit card points Chrome extension in [JavaScript](#) to simplify the earning and spending process

PROJECTS

Twisimilar

GITHUB://TWISIMILAR | COLINMARSCH.ME/TWISIMILAR

- Developed a machine learning classification model using [scikit-learn](#) to match tweets to their corresponding user
- Published model as a web app built with [Flask](#) and [React.js](#)

WaterlooTalks

GITHUB://WATERLOOTALKS

- Used [Node.js](#) and Microsoft Cognitive APIs to connect users with counselling services in Waterloo through a chat-bot

Android Weather App

GITHUB://SIMPLEWEATHERAPP

- Utilized OpenWeatherMap, Google APIs and [SQLite](#) to build this weather forecasting app