

# SIMRAN KAUR

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## WORK EXPERIENCE

### Twitter · Software Engineer I - MoPub SDK Team

Sept. 2020 to Current  
Remote

- Working on new features for the MoPub Android SDK

### Wattpad · Associate Software Engineer - Writer Success Squad

Sept. 2019 to Dec. 2019  
Toronto, Ontario

- Implemented a variety of features using Kotlin, Android Architecture Components, and Epoxy for the Wattpad Android application
- Launched a data loss investigation by implementing custom Firebase events and determined a solution which led to a 95% decline in data loss support tickets
- Managed Play Store release and monitored Crashlytics/Firebase, reviews, ratings, and beta feedback
- Won "Users Over Everything" award at company wide hackathon by increasing accessibility through Google Home actions

### Twitter · Software Engineering Intern - MoPub SDK Team

May 2019 to Aug. 2019  
San Francisco, California

- Modularized the Android SDK's networking code and reduced the number of files using Volley imports by 81%
- Produced a technical design document containing a thorough analysis of the SDK's current and future state, including: API changes, usage of Volley, gradle dependency graphs, and new Kotlin interfaces
- Presented my TDD for peer review and received approval for ~3450 lines of code changes across multiple pull requests

### Kik Interactive · Android Developer Intern

Sept. 2018 to Dec. 2018  
Toronto, Ontario

- Contributed to the Admin Tipping feature that uses Kin cryptocurrency in the Kik Android messenger application, leading to 95,000 monthly active spenders
- Followed MVVM in Kotlin using RxJava, wrote unit tests using Mockito & JUnit, and constructed UML architecture diagrams

### Reebee · Android Engineer Intern

Jan. 2018 to Apr. 2018  
Kitchener, Ontario

- Rewrote notifications and geofencing to support Android Oreo background execution limitations, increasing supported devices by 38%
- Developed an Android home screen shopping list widget and redesigned in-app feedback following Material Design guidelines for 300K MAU

## PROJECTS

### Split - UX Case Study for Human Computer Interaction course

- Mobile application prototype that helps users split payments among friends and roommates in an effortless manner

### SoundMatch - Hack the North 2017

<https://github.com/iameskay/soundmatch>

- Android application that compares microphone input to sheet music and provides accuracy summary

## EDUCATION

### University of Waterloo

Sept 2015 - April 2020  
Bachelor of Computer Science,  
Honours, Co-op with a  
Specialization in Business

## SKILLS

Languages	Java, Kotlin, C, C++, SQL
Tools & Libraries	Git, Android Studio, RxJava/Kotlin, JUnit, Dagger2, Volley, Mockito, Espresso, OkHttp3, Epoxy
Design	Material Design, Zeplin, AdobeXD, Bootstrap, CSS, Photoshop

## AWARDS

### University of Waterloo

Grace Hopper Scholar  
University of Waterloo  
Oct. 2016

### President's Scholarship of Distinction

University of Waterloo  
Sept. 2015

### Top 25% Distinction on 3 UWaterloo Math Contests

University of Waterloo Centre for Mathematics and Computing

## ACTIVITIES

### Grace Hopper Celebration of Women in Computing 2018

Attendee

### Hack the North 2017

Participant

### Women in Computer Science Undergrad Committee Winter 2016

Social Director