

613 894 5904

david.y.xia@gmail.com

# David Xia

www.davidxia.ca



## Code & Creativity



## Highlights

Proficient in mobile and web development with a highly product-focused mindset  
Languages: C, C++, Java, Kotlin, Typescript, Obj-C, Swift, Python, MySQL, html/css  
Excellent numerical and analytical skills  
Strong interpersonal and communication skills

## Education

### Bachelor of Computing & Financial Management

University of Waterloo      Sept 2012 - Apr 2017  
Waterloo, Ontario, Canada

Accounting & Finance Student Assoc. Web Head  
Student Investment Fund Analyst      Jan - Apr 2015

## Employment

### Snap Inc., Software Engineer Jul 2017 - Present

Optimized app performance to ease transition of 2D Bitmoji images to 3D while minimizing engagement regressions  
Identified & iterated upon optimization opportunities within the Bitmoji creation flow, launching it inside Snapchat registration for all Android users  
Created development framework for bitmoji.com, launched Bitmoji management & sticker browsing on the web  
Designed and implemented Bitmoji Kit, a mobile (iOS & Android) SDK for integrating Bitmoji stickers  
Architected & modularized core structural components of the Bitmoji Android app with Dagger  
Designed APIs & frameworks for Bitmoji ContentProvider, supporting integrations with Gboard & Samsung Keyboard  
Pitched and published various Bitmoji app features, such as the Bitmoji merch store & the Bitmoji Android Keyboard  
Analyzed product data to pitch, plan and deliver various Bitmoji app sign up & login experiments

### Snap Inc., Software Engineering Intern Jan - Apr, Sep - Dec 2016

Built the Bitmoji iMessage extension using Objective C  
Implemented Bitmoji geofilters and geostickers in both Snapchat apps  
Improved memory performance of filtered images on Android by utilizing the GPU

### Facebook Inc., Software Engineering Intern May - Aug 2015

Used the HTML5 Canvas API and JavaScript to create a photo editing tool  
Created front-end components using React, a Javascript framework  
Built internal graph API endpoints and completed web infra tasks in PHP

## Projects

Designed and built Sxetch, a web-based sketchpad May 2016 - Present  
Developed an online weekly room booking system for AFSA Jun - Jul 2016  
Created an iOS & Android game similar to Tetris with a Java framework Sep - Oct 2014

## Achievements

Dean's Honours List each school term      2012 - 2017  
University of Waterloo President's Scholarship of Distinction      2012  
High school badminton coach's award for leadership      2012

## Hobbies

Badminton, Tennis, Volleyball  
Art & graphic design  
Cullinary artistry