


# Aditya Keerthi

Software Developer

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## EXPERIENCE

### Kik Interactive • iOS Developer

Summer 2016 | Waterloo

- Led iOS development on the Community team, impacting **300M** registered users
- Used **Core Data** to develop group management and group permission controls
- Improved time taken to block users by **25%** by optimizing **NSPredicate** queries
- Worked on **asynchronous** queue-based presentation system to support bans
- Implemented report user with chat history A/B test, eventually released to **100%**
- Gained experience with **XML** and the **XMPP** protocol for real-time messaging

### Scotiabank • iOS Developer

Summer 2015 | Toronto

- Developed an app to keep track of clients and leads, using **Objective-C** and **UIKit**
- Created custom **UICollectionView** with support for concealable and sticky headers
- Reduced memory leaks and improved performance via **Instruments** and refactoring
- Interfaced with Salesforce data and **REST** APIs in a **multithreaded** environment

### Tuts+ • Instructor

2011 - 2015 | Remote

- Wrote two tutorials for ActiveTuts+ and one tutorial for GameDevelopmentTuts+
- Developed Commando, a Flash debugger capable of changing code at runtime

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## PROJECTS

### On This Day

iOS application, written in **Swift**, to retrieve information about a particular day in history. Created backend using **Python** and **Flask**, ingesting data from Wikipedia.

### Pipio

iOS application that performs sentiment analysis on top tweets for given hashtags. Made API queries using **Grand Central Dispatch** to improve performance.

### Flattn

URL shortener backed by **MongoDB**. Developed backend using **Node.js** and **Express**, created frontend with **AngularJS** and deployed via **Heroku** and **Cloudflare**.

### C60

Pebble application that allows nearby users to add each other to their contacts list instantaneously. Built with **JavaScript**, simulates NFC using geolocation and **Firebase**.

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## SKILLS

### Languages

- Objective-C
- Swift
- Python
- C/C++
- JavaScript
- SQL

### Technologies

- iOS
- Flask
- Node.js
- Git
- MongoDB
- Unix

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## EDUCATION

### University of Waterloo

Software Engineering  
2015 - 2020

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## AWARDS

1<sup>st</sup> place in Canadian  
Computing Competition  
(2014, Junior Division)

4<sup>th</sup> place at DECA Provincial  
competition (2015, Marketing)

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## INTERESTS

- Film
- Trivia
- Cooking
- Basketball