

MATT LIM

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EDUCATION

California Institute of Technology

2013 - 2017

B.S. in Computer Science

Overall GPA: 3.93

TA for EE150: Digital Ventures Design

Caltech Basketball team

Relevant Coursework:

- CS2: Intro to Programming Methods
- CS38: Intro to Algorithms
- CS21: Decidability and Tractability
- Ma1C: Linear Algebra

SKILLS & ABILITIES

Computer Languages

Java, C, C++, Objective-C, Swift, Python, SQL

Technologies & Platforms

Android, iOS, libGDX (game development framework)

Operating Sysems

Linux, OS X

Tools

Vim, Git, SVN, Terminal, Xcode, Android Studio, Inkscape, Eclipse, L^AT_EX

EXPERIENCE & PROJECTS

Intern at Aspera

June 2014 - September 2014

iOS Developer

Emeryville, CA

- Brought company's main app, Faspex, to an iOS 7 release. Involved working across a large code base, and implementing bug fixes and enhancements (mainly in the realms of UI and video encoding).
- Developed two sample applications in Swift to demonstrate proper use of Aspera's iPhone SDK.
- Created a Share Extension in Swift that transfers data of any UTI using Faspex.
- Developed a Document/File Provider Extension in Swift that lets other apps access files stored by Faspex.
- Applied constraints to existing storyboards to make them suitable for all screen sizes (including iPhone 6).
- Implemented an OAuth + SAML flow; researched and tried Swift/Objective-C documentation tools (Doxygen, Header-Doc, appledoc, jazzy); touched on Core Data, file coordination, and iCloud integration.

OmNotify - goo.gl/r48e60

Summer 2013

Founder & Developer

California

- Developed an Android Application that makes, augments, edits, and stores notifications.
- Used a combination of AlarmManagers and Services to support notifications with custom vibrations, alarms, reminders, and schedules. Notifications with alarms and vibrations can be sent via SMS to other phones.
- Stored all notifications in an SQL database to allow users to view, edit, and recreate old notifications.
- Added full SMS capabilities - features include an aggregate inbox and the ability to send scheduled/automated SMS messages.

Stairs - stairsthegame.com

January 2014 - Present

Developer

California

- Developed an original "infinite stepper" game with 8 game modes, 5 level types, and custom music and icons.
- Created using the Java libGDX framework. Will be available for iOS, Android, and Desktop.

GoogleJump Mentorship Program

Summer 2014

Participant

California

- Worked with 2 other participants and a Google engineer mentor to create Aux, an Android app that utilizes the Places and Location APIs in order to smartly and automatically toggle various phone settings.
- Used an SQL database to support custom profiles that dictate how the phone behaves under certain actions/locations.

ADDITIONAL INFORMATION

Additional Projects

Othello AI (6th place out of 60+ Caltech students), Caltech Open (Android app that tells students if and when buildings and services are open), Simple SMS (Android SMS client)

Miscellaneous

Lifeguard, Red Cross and CPR Certified, Basketball Coach, Slader Online Math Tutor