

# Akshay Yadav

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## PROFESSIONAL SUMMARY

Results-oriented software developer and research professional with 4 years of experience in both development and research positions. Proficient in iOS/OSX app development, testing, deployment, keeping UX in mind. I also understand the importance of creating highly readable and easily maintainable source code.

## TECHNICAL SKILLS

**Languages:** Objective-C, Swift, Java, Python, JavaScript, JSON, C, SQL, Perl, PHP, HTML, CSS, JQuery, Bash

**Databases:** MySQL, Oracle, PostgreSQL, SQL Server

**Development Software:** Xcode, Eclipse, Git, BitBucket

**Frameworks:** AFNetworking, Alamofire, CoreData, AVFoundation, CoreGraphics, OpenGL ES, QuartzCore, Security

**Dependency manager:** CocoaPods, Carthage

**Technologies:** RESTful web services, Rails, Java Frameworks, multiple JavaScript frameworks, Apple push notifications, Geo-fencing, Apple iBeacon

**Application / Web Servers:** Tomcat, Apache

**Platforms:** Mac OSX, UNIX/Linux

**Cloud services:** Amazon AWS (EC2, RDS, S3), Parse, Firebase, Heroku (deployment)

## WORK EXPERIENCE

### Sr. iOS Developer, College Meal Solutions | May 2015 – Present

- Software requirement analysis, designing of Library.
- Module designing and testing.
- Developing user stories and functionality enhancements documentation and release notes.
- Manage build deliverables.
- Manage build Environments to support different platforms.
- Develop and test and release on a Sprint basis.
- Responsible for server based localization.
- Alamofire, CoreData, AVFoundation, SwiftyJSON

### iOS Developer, ChalkTheVote | January 2013 – May 2015

- Created and automated nightly built jobs and used test flight APIs to forward the build to other team members.
- Stored large data on iPads using magical records and core data.
- Used Xcode storyboards to develop UI for iPads.
- Implemented and designed REST APIs to support mobile applications.
- JSON based parsing response conducted and used for AF Networking.
- Responsible for gathering product integration, product requirements, product implementation and support.
- Designed and developed context sharing mechanism to support internal modules in project in Objective-C.
- Used agile methodology for development of the application with daily scrum.
- Worked constantly within a cross functional team of testers and developers.
- Worked with Xcode and GDB for debugging.
- AFNetworking, UIKit, MapKit, XCTest, Parse

## Independent and Contract iOS development | January 2011 – Present

- **Forbes Magazine** – Created a location based application for Forbes Magazine that suggested nearby events. Used MapKit, Alamofire, AVFoundation, CFNetwork.
- **I'mPacMan** – iOS game for google cardboard, enables user to play Pacman in Virtual Reality.  
**Winner at 5<sup>th</sup> rank out of 200 projects** at Purdue University developers event.  
Used CardboardSDK, Unity3D, ImageIO.
- **DoodleChat** – A realtime synchronous iOS messenger app that connects multiple users to a common imageView enabling every user to view and edit drawing/image.  
**Award winner** (2<sup>nd</sup> rank for most creative use of Firebase).  
Used Firebase, ImageIO, IOKit, PhotoUI, QuartzCore, Social.
- **ACT** – As an Intern at ACT, made an iOS app (ancient puzzles game) to measure persistence, creativity and other personality traits of 6<sup>th</sup> – 8<sup>th</sup> grade students based on their performance in the game. Wrote algorithms to solve puzzles and to measure and compare performances.  
**Award** (Best Intern Prototype of the Year).
- **Pearson** – As an intern at Pearson, made a preparation tool for college entrance test.
- **Teaching Assistant** – Taught graduate level course in Web development, and Large Data Visualization.
- **Microsoft** – Got selected for the Microsoft Intern Ambassador program.
- **ACM** – Voted as Social Event Coordinator UI chapter of Association for Computing Machinery.

## RESEARCH

### Research Assistant, Computational Epidemiology Research

Created iPhone/iPad, android, web-based apps using native IDEs and recreating similar apps in MVVM frameworks, to analyze hand hygiene habits of staff at hospitals. Evaluating mobile applications created via various frameworks based on robustness, flexibilities, and UI designs. Brainstorming ways of improving existing apps used in research. Developing computational tools to collect, analyze, and visualize data in order to better understand the spread of infectious diseases in a healthcare setting.

## EDUCATION

Master of Sciences in Computer Science | The University of Iowa | graduation date: May 2016

Bachelor of Sciences in Computer Science | The University of Iowa | graduation date: May 2014

References available upon request.

## LINKS

GitHub: [github.com/akshayadav](https://github.com/akshayadav)

LinkedIn: [www.linkedin.com/in/akshayadav](https://www.linkedin.com/in/akshayadav)

Website: [www.akshayadav.com](http://www.akshayadav.com)