






# SOMESH ARORA

## iOS Developer

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### Education

#### The University of Texas at Arlington

- Bachelor's in Computer Science
- GPA: 3.680

### Skills

#### iOS Development:

Swift, Objective-C, Cocoa Pods, Auto Layout, UI Design, Sketch, REST APIs, Postman, MVC, MVVM, BLE, iOS SDK OAuth, Unit Testing, Automated Testing, XCTest, Appium, XCode, Xamarin

#### Frameworks:

Cocoa Touch, Core Location, Core Data, Core Foundation, Core Graphics, Core Animation, Core Bluetooth, MapKit, ARKit, UIKit, AVFoundation

#### Databases:

Firebase, SQLite, MySQL

#### Methodologies and Tools:

Agile, Scrum, SDLC, Visio, GitHub, Jira, Confluence, Trello, Slack, Sublime, Vim, MS-Office, Android Studio, Visual Studio

#### Other Languages:

Java, C, C++, C#, Python, UML, CSS, HTML5, XML, JavaScript, MATLAB

### Leadership

- Executive VP, National Society of Collegiate Scholars (2015-2017)
- 200+ Volunteering Hours
- Leadership Honors Program
- Foundation of Leadership Course
- Site Leader, Alternative Breaks
- Site Leader, The Big Event

### On-Campus Jobs

- Resident Assistant, Student Affairs
- Board Member, Alternative Breaks
- Peer Leader, Student Affairs
- Student Assistant, Arlington ISD

### Achievements

- Aim and Utility Award: Cryptography and Cyber Security presentation
- 1<sup>st</sup> Prize: Augmented Reality application demonstration
- 4 Year Scholarship, UT Arlington
- Outstanding Junior Scholarship
- Engineering Dean's List

### Work Experience

#### Abbott Laboratories

Sylmar, CA

Mobile Application Developer Co-op

Jul 2017–Jan 2018

##### BLE OTA iOS Application | Objective-C, BLE, Core Bluetooth, UI Design, Sketch

- App tests and analyzes medical device prototypes using BLE 4.0
- App utilizes advertising mode to discover and display nearby BLE peripherals
- App establishes a connection with peripheral based on user selection
- Examines peripheral at various frequencies, modulations, and time intervals
- Used by Firmware department in the U.S. and China

##### Asset Manager iOS Application | Swift, Firebase, Cocoa Pods, Sketch, Agile

- App checks-in, checks-out and manages thousands of assets
- Used agile approach to derive requirements as user stories from end-user
- Designed fully responsive UI layouts using Sketch and XCode
- Programmed barcode scanner using AVFoundation framework to scan employee ID and asset's barcode to automate the entire process
- Featured admin & user privileges, push notifications, reminder emails, device history and status, asset request form and more

##### Other Projects and Duties | Scrum, Agile, Appium, XCTest, Automated Testing

- Contributed to testing (characterization, language, maintenance) and debugging of Confirm Rx™ iOS and Android applications
- Participated in scrum meetings, discussed ongoing progress and obstacles

#### Blackboard Inc.

Arlington, TX

Mobile Application Developer, Capstone Project

Spring 18, Summer 18

##### POS Kiosk for Sightless Individuals | Java, Talkback, Motion Gestures, REST API

- POS Laundry Kiosk, an embedded Android tablet, allow sightless individuals to choose washers/dryers using features like talkback and motion gestures
- Operating in a team of 5 to research visual impairment, derive requirements from end-user, produce formal documentation, design effective UI, integrate existing APIs, and write high-quality and maintainable code

#### The University of Texas at Arlington

Arlington, TX

Undergraduate Teaching Assistant

Fall 15, Spring 16, Spring 18

- Assisted instructor to teach Engineering problem-solving course, ENGR 1300
- Engaged students to work in small groups and solve engineering problems
- Coached students for algorithm development (MATLAB) and engineering concepts, facilitated lab sessions and proctored exams

### iOS Projects

##### Mastering iOS | Swift, XCode, Sketch, Cocoa Pods, Core Animation, UI Design

- Mastering iOS is designed to help users prepare for iOS Developer interviews
- App consists of numerous terminologies, definitions, and code snippets from iOS development space with features including quiz and practice mode

##### Password Vault | Swift, Sketch, Core Data, Cocoa Touch

- App encrypts and stores sensitive information locally on the device
- To prevent information theft, the app can only be accessed using the registered user's biometrics (Touch ID/Face ID)

##### Heads Up Display (HUD) | Swift, XCode, UIKit, Core Location

- App displays current speed and direction of travel on vehicle's windshield
- App features day and night mode for improved visibility, supports multiple speed units and renders over speed warnings