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SOMESH ARORA

Mobile Application Developer

Education

The University of Texas at Arlington

- B.S. in Computer Science
- GPA: 3.680
- Graduation: August 2018

Technical Skills

iOS and Android Development:

Swift, Objective-C, Java, C#, XML, Cocoa Pods, SDK, APIs, Storyboards, Auto Layout, Genymotion, Sketch, XCode, Android Studio, Visual Studio, Xamarin

Methodologies and Tools:

Agile, Scrum, SDLC, Visio, GitHub, Jira, Confluence, Slack, Trello, Overleaf, jacORB, PuTTY, Vim, NetBeans, Sublime

Frameworks:

Cocoa Touch, UIKit, ARKit, Ionic, Appium, Bootstrap

Databases:

Firebase, MySQL, SQLite, Core Data

Other Languages:

C, C++, Python, JavaScript, UML, CSS, HTML5, MATLAB, Git

Achievements

- Aim and Utility Award: Cryptography and Cyber Security presentation
- 1st Prize: Augmented Reality application demonstration
- Outstanding Freshman Scholarship by UTA (renewable for 4 years)
- Outstanding Junior Scholarship by UTA's Computer Science Department
- Engineering Dean's list (2015, 2016)

On-Campus Jobs

- Resident Assistant, Student Affairs
- Site Leader, Alternative Breaks
- Peer Academic Leader, MAVS 1000
- Student Assistant, Arlington ISD

Leadership

- Vice President, National Society of Collegiate Scholars
- Site Leader, The Big Event
- Leadership Honors Program
- Foundation of Leadership course
- 200+ volunteering hours

Work Experience

Mobile Application Developer Co-op

Jul 2017–Jan 2018

Abbott Laboratories 

Sylmar, CA


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

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

BLE OTA iOS Application | Objective-C, Cocoa Touch, CoreBluetooth, Sketch

- App tests and analyzes medical device prototypes using BLE 4.0
- Uses advertising mode to discover and display a list of available BLE devices
- Establishes a connection with peripheral based on the user selection
- Performs test and analysis on connected peripheral at various frequencies, modulations, channels, and time intervals
- Internally utilized by Firmware department in the US and China

Other Projects and Duties | Scrum, Appium, Testing, jacORB, Teamwork

- Testing (characterization, language, maintenance) and debugging of Confirm Rx™ iOS and Android applications 
- Participated in scrum meetings to update the team on ongoing progress and discussed obstacles

Undergraduate Teaching Assistant

Fall 15, Spring 16, Spring 18

The University of Texas at Arlington 

Arlington, TX

- Assist instructor to teach Engineering problem-solving course, ENGR 1300
- Engage students to work in small groups and solve engineering problems
- Coach students for algorithm development (MATLAB) and engineering concepts, facilitate lab sessions, and proctor exams

Relevant Projects

Offline Password Wallet iOS Application | Swift, Core Data, Sketch

- 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) iOS Application | Swift, CoreLocation, GitHub

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

POS Kiosk Android App for Visually Impaired | Java, Google Talkback, BitBucket

- App works as a POS kiosk client, on an embedded android device, in a laundry room to select washers/dryers and process payments
- Utilizes Google Talkback and motion gestures to assist visually impaired users
- Worked in a team of 5 to research accessibility solutions, composed formal SRS and ADS documentations, designed sleek UI interface, and developed the app

UT Arlington Resources Android Application | Java, XML, SQLite, Agile

- App allows users to access information of all campus resources at one place
- Features include access to all campus event information, form/join clubs, buy/sell items, participate/host discussions, advising and dining hours