

# Rui Li

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## Summary

Dedicated software developer studied Computer Engineering at Iowa State University, released an iOS app, worked in startup companies as iOS developer is looking for full-time job.

Languages: iOS application development using Swift and Objective-C; Orientation programming language using Java; Data analysis using Matlab;

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## Experience

### **iOS Application Developer at SPARE CS, Inc.**

January 2016 - December 2016

- Collaborated with teammates to develop a new UI for the company's iOS app using UIKit and auto layout.
- Accomplished the task by implementing an effective and smooth user interface using native view controllers and customized views.
- Developed the pairing function in local using Bluetooth framework.
- Applied authentication protocol in the communication feature to secure the pairing process.
- Used Firebase server and API to transfer messages between users' devices on the Internet.

### **iOS Application Developer at Shanghai Obizsoft Information Technology Co., Ltd.**

June 2015 - July 2015

- Implemented essential features in enterprise level iOS mobile application using MVVM pattern.
  - Debugged and tested the implementation of iOS application to meet the quality requirements of the product demanded by the customers.
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## Honors and Awards

### **First Place in Revel Hackathon 2016**

Revel System

September 2016

(<https://github.com/ss42/RevelHackSep8>)

- Collaborated with three teammates and developed a new iOS app using API from Revel System to enhance the customer experience in Shell gas stations.
- Satisfied the judges by implementing the easy-to-use user interface using Shell color combination.

### **Spring 2014 Dean's List at Iowa State University**

Iowa State University

June 2014

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## Projects

### **Wearable Device Pairing Protocol Research**

August 2014 to Present

- Planned and discovered a secure communication protocol between wearable devices.
- Developed the C++ application to collect the motion data from MYO armband using Xcode and MYO API.
- Designed and developed Apple Watch and iPhone application to collect the motion data from Apple Watch and iPhone using WatchConnectivity and CoreMotion framework.
- Reviewed, summarized and analyzed motion data to extract features using Matlab.

### **Independent iOS Development - Mr. Text**

July 2014 to August 2014

- Developed a simple and fast solution for users to use speech-to-text technology.
- Accomplished easy-to-use user experience by implementing the minimalist user interface.
- Deployed the application to App Store and achieved international downloads in one week.
- Maintained the application in App Store to update UI and add new features.

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## Education

### **Iowa State University**

Master's Degree, Computer Engineering, 2014 - 2016

Grade: 3.67

### **Iowa State University**

Bachelor's Degree, Computer Engineering, 2010 - 2014

Minor: Music Technology