

# SI JINE ROH

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## Education

### Texas A&M University

College Station, Texas  
B.S. in Computer Engineering  
Graduated with Cum Laude (May 2016)

### University of Arizona

Tucson, Arizona  
B.S. in Computer Engineering  
Transferred to Texas A&M University

## Skill

C/C++ Java Python PHP HTML CSS  
JavaScript Ruby Rails Android MySQL  
MongoDB Arduino Raspberry Pi IoT Git  
Photo

## Activity

### UPE

Member of International Honor Society for the  
Computing & Information

### CodeRED

Hackathon  
University of Houston, Texas  
Nov 2015

### TAMUHACK

Hackathon  
Texas A&M University, Texas  
Oct 2015

### Anadarko Show and Tell

Presenter  
Sep 2015

### Microsoft Korea Workshop

Microsoft Azure, Windows 8 application  
development  
Mar 2013

### ITU IT Volunteer

Teach basic computer skills to local students Nangi  
Village, Nepal  
Jul 2012

## Award

### Dean's Honor Award

The Dwight Look College of Engineering  
Spring 2015

### Certificate of Appreciation

Department of Computer Science & Engineering,  
Texas A&M University  
Spring 2016

## Experience

### Research Assistant II

June 2016 - Present

Department of Neurosurgery, University of Texas Health Science Center at Houston  
◦ Robotic surgery research lab in Department of Neurosurgery  
◦ Developed motor control testing program

### Undergraduate Research

Jan 2016 - May 2016

Department of Computer Science & Engineering, Texas A&M University  
◦ Designed and developed UI for UI/UX user experience research

### Peer Teacher

Sep 2015 - May 2016

Department of Computer Science & Engineering, Texas A&M University  
◦ Peer Teacher for intro classes in Computer Science  
◦ Supported students to debug and understand program during lab sessions  
◦ Received Certificate of Appreciation

### Web Developer & Administrator

May 2014 - May 2016

Korean Students Association, Texas A&M University  
◦ Designed and developed Korean Students Association website

### Web & Android Developer

Aug 2012 - Apr 2013

O'square Co., Ltd., Seoul, South Korea  
◦ Developed social activity recommender system in Ruby on Rails on AWS  
◦ Developed Android application with native development toolkit

### Technical Assistant

Feb 2012 - Jun 2012

Sunrin Internet High School, Seoul, Republic of Korea  
◦ Providing technical assistance to faculty, staff, and student in person  
◦ Supporting 200 users and 300 computers on both software and hardware sides  
◦ Managing school network and equipments

### Sergeant

May 2010 - Feb 2012

Artillery School, Republic of Korea Army, South Korea  
◦ Chief Assistant of troop information and education

## Project

### My Sprikler

Spring 2016

Automated sprinkler system based on weather forecast.

### Once upon a time in Costa Rica

Winter 2016

Electronic Photo Book for Arts class.

### Laser Harp

Fall 2015

Developed MIDI compatible Laser Harp.

### Goal Achiever

Fall 2015

Android application to make a productive time.

### R for Resistance

Aug 2015

Android application to calculate resistance.

### D for Debug

Aug 2015

Fun ways to familiar with debugging.

### Arduino WiFi

Jul 2016

Developed a system to control electronic device by using Arduino.