Si Jine Roh

SOFTWARE ENGINEER

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Education

Texas A&M University   *College Station, Texas, US*
B.S. IN COMPUTER ENGINEERING   *May 2016*

- Graduated with Cum Laude (Cumulative GPA: 3.55/4.0)
- Certificate of Appreciation, Department of Computer Science & Engineering, Texas A&M University, Spring 2016
- Dean's Honor Award, The Dwight Look College of Engineering, Texas A&M University, Spring 2015

Career

Schlumberger   *Beijing, China*
SOFTWARE ENGINEER   *Jun 2019 - Present*

- Core API developer of real-time well construction infrastructure and solutions on MS Azure
- Developed features and in-house software for support, software development and test

Schlumberger   *Katy, Texas, US*
SOFTWARE ENGINEER   *Feb 2018 - Jun 2019*

- Back-End developer and Tier 2 Support of real-time well construction decision support and control software
- Developed features and in-house software for support, software development and test
- Analyzed and fixed issues emerged while in field operation

ColubrisMX, Inc.   *Houston, Texas, US*
SOFTWARE ENGINEER   *Apr 2017 - Feb 2018*

- Spin-off from the University of Texas Health Science Center at Houston
- Developed real-time motor control software using C++ and TwinCAT
- Developed robot arm testing tool for Hardware Team, reduced robot arm testing and tuning time by half
- Built and administrated build server, issue tracking server and version control server
- Operated and cooperated multiple surgical robot testing scenarios and demonstrations
- Covered multiple roles (Back-End developer, R&D, QA, IT Administrator, Infrastructure Management)

Department of Neurosurgery, University of Texas Health Science Center at Houston   *Houston, Texas, US*
RESEARCH ASSISTANT II   *Jun 2016 - Mar 2017*

- Developed micro-surgical robot for neurovascular surgical procedures
- Operated and cooperated multiple surgical robot testing scenarios and demonstrations

Department of Computer Science & Engineering, Texas A&M University   *College Station, Texas, US*
UNDERGRADUATE RESEARCHER   *Jan 2016 - May 2016*

- Designed and developed UI for UI/UX research to collect user feedback based on UI/UX differences

PEER TEACHER   *Sep 2015 - May 2016*

- Coached students to debug and design program during lab sessions and office hours
- Received Certificate of Appreciation

Korean Students Association, Texas A&M University   *College Station, Texas, US*
WEB DEVELOPER & ADMINISTRATOR   *May 2014 - May 2016*

- Designed and developed Korean Students Association website

O'square Co., Ltd.   *Seoul, Korea*
WEB & ANDROID DEVELOPER   *Aug 2012 - Mar 2013*

- Developed social activity recommend system in Ruby and Rails on AWS
- Developed Android application with native development toolkit

Project

Automated system

My Sprinkler   *Spring 2016*
- Collect weather forecast to schedule or reschedule your watering plan and water your garden automatically

Arduino WiFi   *July 2015*
- Connect to a server Arduino to set home automation schedule, client Arduino will collect a schedule and proceed automatically

Electronic system

Laser Harp   *Spring 2016*
- A Harp with 15 lasers as strings, can generate sounds and MIDI output

Raspberry Voice Drop   *Sep 2014*
- Cloud voice mailbox system using Raspberry Pi and Dropbox

Android Application

Goal Achiever   *Fall 2015*
- Help to focus on your own work for a certain period of time without watching phone and feel like they are playing a game

R for Resistance   *Aug 2015*
- Calculate resistance of resistor by resistor color code

Web Development

Once upon a time in Costa Rica   *Jan 2016*
- Online photo album using filpbook library and Bootstrap

Korean Aggies   *May 2014*
- Developed new Korean Student Association website by using CMS(XpressEngine) and migrated database

Extracurricular

OWASP Juice Shop

Translator   *Dec 2018 - Present*
- Contributed as a translator of open sourced web vulnerabilities training project by Open Web Application Security Project

CodeRed   *University of Houston, Texas*

Developer   *Nov 2015*
- Joined a Hackathon as a developer and coached other students

TAMUHACK   *Texas A&M University, Texas*

Developer   *Oct 2015*
- Built an Android application can encourage with a group of people with same objectives

Microsoft Korea Workshop   *Seoul, Korea*

Learner   *Mar 2013*
- Learned Microsoft Azure and Windows 8 application development

ITU IT Volunteer   *Nangi Village, Nepal*

Volunteer   *Jul 2012*
- Stayed in Nepal a month and taught IT knowledge to local students and teachers
- Sponsored by Korean Government and ITU (International Telecommunication Union)

Work Authorization

South Korea Citizen

Legally authorized to work for any South Korean employer