Derek Park

Software Engineer

Experience

2016-01 - 2017-06

Software Development Intern

Rockwell Automation

- Created and deployed logical solutions for VantagePoint, Rockwell Automation's Mobile Web Application, using primarily JavaScript, jQuery, AngularJS, and other front-end languages in an Agile environment
- Improved User Interface, frequently collaborating with UX engineers to heavily revamp pages with bootstrap and complex CSS
- Modified or developed new unit tests for each development story using the Jasmine framework
- Updated E2E tests to be compatible with the newest version of VantagePoint. Tests were written and driven using the Protractor testing tool
- Constructed automated tests for ViewE, Rockwell's Embedded System Terminal, using Rockwell's own proprietary testing automation framework
- Created a test script to automate previously manual tasks, improving efficiency as well as precision by over 10%

2015-01 - 2015-06

Teaching Assistant

Jack Baskin School of Engineering

- Assisted Professors for three different Computer Science classes: Introduction to Computer Science, Introduction to Programming (Accelerated), and Intermediate Programming
- Facilitated weekly lab sections to introduce new assignments and provide assistance in any course matters
- Designed future programming assignments

Education

2012-09 - 2017-08

University of California, Irvine (UCI), B.S. Computer Science

- 3.52 GPA
- Favorite Courses: Advanced Computer Networks, Advanced Database Management, Artificial Intelligence, Computer Simulations, Mobile Applications

Projects

NoWait - Android application that used user-reported data to estimate and display the waiting time of a restaurant

Walk to Mordor - Android application that relates a user's walking distance to Frodo's journey in the Lord of the Rings

Fabflix - Full-stack web application for searching movies and adding to a cart for movie rental. Implemented using MySQL database, Apache Tomcat servlet, and deployed on an AWS instance.

SudokuSolver - A.I. Sudoku Solver that used Constraint Satisfaction Problem methodologies in solving algorithms. Implemented with Java.

Search Engine - Search engine that could retrieve and rank URLs of HTML pages based on relevance to a query. Implemented in Python.

Personal Info

Website

https://derekpark1616.github.io/

Address

23806 Ocean Avenue

Torrance, CA

90505

Phone

310) 533-7851

E-mail

derekpark1616@gmail.com

Languages

Java

JavaScript

MySQL

HTML/CSS

Python

Node.js

C

C++

C#

Technologies

Cisco Routers (Terminal Configuration)

Linux

Windows/Windows Server

Git/Subversion (TortoiseSVN)