HAKEEM KING

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EDUCATION

B.S., Computer Science, NC State University, Fall 2018

RELEVANT COURSES

Java 1 & 2, C and Software Tools, Assembly, Concepts and Facilities of Operating Systems, Data Structures, Software Engineering, Discrete Mathematics, Data and Computer Communication Networks, Networking Project, Software for Wireless Sensors/ IoT

TECHNICAL SKILLS

Programming: Java, Node.js, Angular.js, JavaScript, C, C#, MongoDB, Redis.io, HTML, Unix, Git, REST API

Tools: HP Quality Center, Microsoft SharePoint, GitHub, ClearCase, Kibana, Gphoto2, Eclipse, Visual Studio, Azure Cloud Framework

Operating Systems: MacOS, Linux, Windows 7

WORK EXPERIENCE

SOFTWARE ENGINEERING INTERN,
BLACKBAUD, CHARLESTON, S.C.
May - Aug 2018

- Create and update existing API endpoints using C# and .Net framework in VSTS hosted with Azure Cloud
- Design and implement single page applications using SkyUX, a web framework based on Angular

SOFTWARE ENGINEERING INTERN, CISCO
SYSTEMS, MORRISVILLE, N.C.
May 2016 - Aug. 2017

- Implemented automated test scripts in Python and PSQL for testing updated stored procedures on the database
- Developed a web-app tool with Angular 2 utilized by team members to query Kibana logs, which made inspecting logs 80% more efficient.
- Contributed to feature updates of Cisco's Spark tool by utilizing Java
- Developed an incident resolution web-application utilizing the MEAN development stack, to keep track and notify team members of incoming software defects
- Worked in an Agile environment with two-week sprints and bi-weekly demos of the application being developed

CODE COACH, THE CODER SCHOOL, RALEIGH, N.C.
Sept. 2017 - Feb. 2018

- Created lesson plans for after school coding clubs at local middle schools
- Work with children between the ages of 7 and 18 to help them develop knowledge of coding and computer technology

QA ENGINEER, FIDELITY
INVESTMENTS, MORRISVILLE, N.C.
May 2015 - Aug. 2015

- Re-worked test case standards to existing workflows for over 320 test cases used by the Advanced Automation and Regression team
- Created regression test plans for Fidelity's Net Benefits site
- Evaluated and executed SahiPro automated scripts to verify validation points being tested in numerous test cases

TECHNICAL PROJECTS

TRIANGLE UAS DRONE PROJECT
Aug. 2017

- Worked with Parrot Sequoia multispectral sensor, to autonomously transfer and delete files from the sensors memory onto a server using gphoto2 and C.
- Utilized Node.js to pull weather data and nearby weather station METARs to determine if the current weather permitted safe drone flying.

SMART PARKING GARAGE SYSTEM
Spring 2018

- Developed a parking system that would inform drivers about the occupancy of parking spots on a given floor.
- Utilized GoBot IoT framework to write server code for a BeagleBone Black computer that interpreted data from ultra sound distance sensor.
- Implemented a REST API using Go-To communicate with a Redis.io Database.