

Isaac Karrer

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EDUCATION

GEORGIA TECH

MASTERS OF SCIENCE, COMPUTER SCIENCE

Aug 2016 - Currently Attending

TEXAS STATE UNIVERSITY

BS IN COMPUTER SCIENCE

May 2014 | San Marcos, Tx

Major GPA: 3.8

Math Minor

College of Engineering

Dean's List (Fall 13, Spring 14)

LBJ LASA

Liberal Arts & Science Academy

Grad. May 2005 | Austin, Tx

COURSEWORK

Software Test and Analysis

High Performance Computer Arch

Computer Security

Data Mining

Data Compression

Networks

Data Structures

Object Oriented Design

SKILLS

PROGRAMMING

Frameworks

Spring • Selenium • Cucumber • Kitura

Proficient Languages

Java • Python • Swift • Bash

HTML • CSS • Javascript

Familiar Languages

Ruby • C++ • MySQL • LaTeX

DEPLOYMENT/CI

Bamboo • Jenkins

Gradle • Docker • Vagrant

CLOUD SERVICES

OpenStack Object Storage • SoftLayer

Amazon Web Services • Oracle CRM DB

RELATED INTERESTS

- Scuba Diving
- DIY Home and Car Maintenance
- R/C Cars, Planes, and Quadcopters

EXPERIENCE

JAMF | Software Engineer in Test II

October 2015 - Current | Eau Claire, WI

- Evaluated entire Manual Test Suite for automatable tests. Led team of 5 others to automate 60% of Smoke tests and 10% of Manual Regression tests thus far.
- Automated reporting of Test Results executed with Bamboo into TestRail.
- Implemented component tagging scheme to ensure that every test could be expedited to a development team for triage when failures occurred.
- Worked with team members to expose the MacOS Accessibility API via a REST server implemented in Swift so that we could control applications on the screen after a VNC session had been established.
- Implemented Client Reservation Server using Spring Boot, Docker, and Gradle. Used MySQL in production and H2 for local development. REST Client and documentation generated with Swagger Code Gen. Service has been in production for 1+ year with 99.99% availability. Other services are currently being built on top of it to support a higher level of abstraction.
- Encouraged, educated, and empowered Engineers with limited automation, Java, and Cucumber experience to automate new regression tests.
- Educated others on the finer points of Unit, Integration, System and Manual testing so that the organization could start transitioning from an Ice Cream Cone to a Pyramid distribution of tests.
- Implemented REST client for legacy Customer API using Spring and JaxB
- Key contributor to new system testing framework.
- Worked with a globally distributed team.

IBM | Cloud Infrastructure Services - Software Engineer

May 2014 - June 2015 | Austin, TX

- Deployed OpenStack Object Storage within IBM Cloud OpenStack Services (ICOS) using Chef
- Wrote an automated capacity manager using Python for OpenStack Swift
- Automated 100% of Build Verification and 95% of Functional Verification Test Cases for ICOS environment for OpenStack Swift
- Automated Ring building for OpenStack Swift using Chef
- Mapped 90% of OpenStack Cinder API to SoftLayer Block Storage API
- Worked with developers across the globe to accomplish daily tasks

SAN FRANCISCO CONSULTING GROUP

Software Engineering Intern

May 2013 - Sept 2013 | Austin, TX

- Wrote scripts to perform custom CRUD operations against customer data
- Used PHP and jQuery to create web based solutions for customers
- Worked with project managers from client companies to deliver IT solutions

CITY OF AUSTIN PARKS AND RECREATION PARKS DIVISION

Supervisor, Manager, Maintenance, Lifeguard Instructor

May 2004 - Aug 2012 | Austin, TX

- 6 years management, leadership, and teaching experience
- 3 years experience troubleshooting automated chemical control systems
- Managed and trained 70+ employees across 6 sites
- Taught American Redcross CPR and Lifeguarding courses