Devin N. Nicholson

Software Engineering

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EDUCATION

California Polytechnic State University, SLO — San Luis Obispo, CA
B.S. Software Engineering — Sept. 2014 – Dec. 2018

EXPERIENCE

MarkLogic — San Carlos, CA
Performance Engineer — Feb 2019 – Present
- Working on detecting performance bottlenecks for Azure using Marklogic-as-a-Service.

MarkLogic — San Carlos, CA
Engineering Intern (Summer & Part Time Remote) — June 2018 – Dec 2018
- Worked on the Performance Engineering team and wrote scripts using the Puppeteer library to measure and improve performance of the MarkLogic Server.
- Researched, developed and demoed tools to the Performance and Support Team.

Computer Science & Software Engineering Department — San Luis Obispo, CA
Teaching Assistant, iOS Mobile Application Development — April 2018 – June 2018
- Demonstrated mastery of iOS by mentoring students in a laboratory environment.
- Validated student application implementations via specifications designed by instructor.

MarkLogic — San Carlos, CA
Engineering Intern (Summer & Part-Time Remote) — June 2017 – June 2018
- Worked on the Cloud Computing team to integrate MarkLogic with Microsoft Azure and wrote up documentation for deploying MarkLogic on Microsoft Azure.
- Designed and created a GitHub project to deploy MarkLogic using Gradle.
- Worked on various Server Side APIs.

Tapestry Solutions, a Boeing Company — San Luis Obispo, CA
Automation Intern (Summer & Part-Time) — April 2016 – Jan. 2017
- Built and maintained automated testing scripts for new and existing products.
- Wrote Groovy scripts comparing JDBC results.
- Contributed regression test software fixes.

COMPUTER SKILLS

Fluency: Python, Java, JavaScript, Swift, C, SQL, XML, REST API, Linux (Ubuntu, CentOS), Mac OS X

Exposure: Objective C, Ruby, Scala, C++, Bash

Tools: Git, Vim, SVN, Puppeteer, Perf-Tools, Selenium, Jenkins, TravisCI, Gradle, XCode

HACKATHONS & PROJECTS

SLO Hacks (1st place) *San Luis Obispo, CA*
- Developed an iOS App to assist people living in food deserts.
- Utilized XCode (Swift), Firebase, Twilio APIs.

Camp Polyhacks (1st place) *San Luis Obispo, CA*
- Developed an iOS App allowing users to take pictures of their home for insurance using Google Vision in the case of a natural disaster.
- Utilized XCode (Swift), Firebase, Google Vision.

Dev Tweets (devtweetz.github.io)
- Analyzed over 50,000 tweets using Twitter's API, K Nearest Neighbors ML algorithm and a Digram Markov Chain.
- Designed graph visuals using Google Visualization API.

AWS Capture Replay Tool (Open Source)
- Worked with Amazon and a team of six other Software Engineers to create a Capture Replay Tool for AWS.
- Primarily worked on back-end integration: SQLite, Java, RDS, S3, Cloudwatch.

LEADERSHIP & ACTIVITIES

Women Involved in Software and Hardware (WISH)   *Mentor*
Mentored and assisted young women in preparation for a bright future in the tech industry.

Grace Hopper Conference 2017   *Apple & WISH Scholarship Recipient*

Society of Women Engineers   *Mentor*
Spoke at numerous panels about increasing diversity in tech.

Engineering Ambassadors   *Tour Guide*
Led groups of 50-100+ high school students and parents through Cal Poly's Engineering Labs.

New Student and Transition Programs   *Orientation Leader*
Led a group of 20 Cal Poly Freshmen for 12 hours a day during Orientation Week.

PORTFOLIO

LinkedIn	GitHub	Website
www.linkedin.com/in/devinnicholson	www.github.com/devinnicholson	www.devinnicholson.com