

# Devin N. Nicholson

Software Engineering

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## EDUCATION

**California Polytechnic State University, SLO**

B.S. Software Engineering

San Luis Obispo, CA

Sept. 2014 – Dec. 2018

## EXPERIENCE

**MarkLogic**

Performance Engineer

San Carlos, CA

Feb 2019 – Present

- Working on detecting performance bottlenecks for Azure using MarkLogic-as-a-Service.
- Developing benchmarking applications and analyzing benchmarking results to recommend improvements.
- Using flame graphs and other perftools in order to analyze and improve overall performance for MarkLogic cloud solutions.
- Wrote UI performance scripts using Puppeteer to be integrated in MarkLogic's Data Hub CI/CD pipeline.

**MarkLogic**

Engineering Intern (Summer & Part Time Remote)

San Carlos, CA

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**

Teaching Assistant, iOS Mobile Application Development

San Luis Obispo, CA

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**

Engineering Intern (Summer & Part-Time Remote)

San Carlos, CA

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.
- Worked on various Server Side APIs.

**Boeing**

Automation Intern (Summer & Part-Time)

San Luis Obispo, CA

April 2016 – Jan. 2017

- Built and maintained automated testing scripts for new and existing products.
- Wrote Groovy scripts comparing JDBC results.

## COMPUTER SKILLS

**Fluency:** Python, Bash, Java, JavaScript, Swift, C, SQL, XQuery

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

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

## HACKATHONS & PROJECTS

**SLO Hacks (1<sup>st</sup> place)** *San Luis Obispo, CA*

- Developed an iOS App to assist people living in food deserts.
- Utilized XCode (Swift), Firebase, Twilio APIs.

**Camp Polyhacks (1<sup>st</sup> 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](https://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 & 2019** *Apple & WISH Scholarship Recipient, MarkLogic Sponsor*

**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**

[www.linkedin.com/in/devinnicholson](https://www.linkedin.com/in/devinnicholson)

**GitHub**

[www.github.com/devinnicholson](https://www.github.com/devinnicholson)

**Website**

[www.devinnicholson.com](https://www.devinnicholson.com)

