



# MCKAY SMALLEY

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## EXPERIENCE

### Software Engineer | Idaho National Laboratory

JULY 2018 – PRESENT

- Created NQA1 level software to track nuclear material.
- Implemented user permissions for information security when tracking nuclear material.
- Created server-side test automation for continuous deployment.
- Implemented most base features of nuclear material tracking software.

### Software Development Engineer in Test | Docutech

SEPT 2017 – JULY 2018

- Built a test runner service to run all automation projects, greatly reducing manual testing efforts.
- Created release automation to aid with continuous deployment, saving hundreds of hours every release.
- Created UI automation framework to allow stable and dependable UI tests to be written.
- Managed build process for team projects to aid in code review and continuous deployment.

### Software Tools Engineer | Intel Security/McAfee

AUG 2016 – JULY 2017

- Built a Rails application to automate setup of large environments for continuous deployment, saving hundreds of hours for developers every day.
- Created an AngularJS front-end for Rails app to make spinning up environments much easier.
- Built testing environment in Docker helping to standardize developing and running tests.
- Automated regression and integration tests that increased product code coverage.

### Software Engineer Intern | Intel Security/McAfee

SEP 2015 – DEC 2015

- Created TV Dashboard application that allowed messages to be sent around the office in real-time.
- Standardized unit testing with Docker images to automate test runs on different frameworks.
- Installed and Setup KVM controllers in the office development lab for better ease of access.

## Front End Developer | BYU-Idaho

APR 2014 – SEP 2015

- Redesigned the entire financial aid web site with a mobile-first design for ease-of-access for students.
- Maintained iOS and Android apps for the financial aid department.



## SKILLS

- Ruby/Ruby on Rails
- Docker
- Testing Frameworks
- AngularJS
- Selenium
- Continuous Integration
- JavaScript / jQuery
- Git
- Agile Methodology
- C++ / C#
- TFS/GitHub/GitLab
- MySQL / SQL Server



## EDUCATION

### Bachelors of Science in Computer Science | Brigham Young University - Idaho

#### SENIOR PROJECT

The focus of this project was image processing, with an application of license plate recognition. This project utilized a number of python libraries to implement pre-processing algorithms to recognize individual characters.

#### GIT COUPLED

This Java Web application won a competition for best overall web application. It uses OAuth authentication to integrate with a user's GitHub account, and matches users based off of their 'love languages' and allows them to send messages to each other.