

Michael Edmondson

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EXPERIENCE

Science Applications International Corporation (SAIC) — Automation / QA Engineer

October 2020 - Current

Develop a library of test scripts using the Selenium test automation framework.

Work closely with business systems analysts to understand software requirements.

Participate in requirements review activities.

Develop test scenarios.

Record and document results and compare to expected results.

Tripwire Inc. — Quality Engineer

December 2016 - October 2020

Wrote test plans for Linux based product

Automated our stabilization process by writing a wrapper for our agile management tools to generate dynamic test plans

White box and Black box testing

Wrote automation for testing (Using Pytest and a custom framework) and recently transitioned to Javascript and Cypress

Helped run hardware lab for our product along with PXE boot framework

Diversitech — Quality Technician

November 2015 - December 2016

Handled daily inspections for materials and products

Used C=0 inspection plan to test condensate pumps

Maintained inventory of quality area using JDEdwards 9.1

Started project/prototype to automate manual testing of HVAC Condensate pumps

SKILLS

Git

Python (2 & 3)

UI Automation (Selenium, Cypress)

Backend Automation (Pytest, Django Unit Tests)

Linux

Docker

Exposure to cloud platforms (Google Cloud & AWS)

EDUCATION

Western Governors University —Computer Science, BS

June 2019 - Projected March 2021

PROJECTS

Company Hackathons — *POC to reduce lab infrastructure*

- POC for a machine that uses a honeypot daemon to be used in scanning tool testing environment to replicate machine infrastructure
 - Refactored later using Docker and a nmap responses rather than the older daemon

PLC Work — *Worked with manufacturer to create a method of tracking machine cycle time*

- Created an application that used a Total Automation PLC and a python server to track machine cycle time and identify areas of failure using TCP.

Heroku Experimentation — *A webpage that allows a remote connection to spin up sample code*

- Currently engaged in a personal project that uses JQuery Terminal with a Go backend that can spin off one off dynos (containers) of the main instance to demo github code in the browser.