

JAMES T. MCGINTY

2276 Espinosa Place, Highlands Ranch, CO 80129 | (856) 430-5201 | jmcgintythomas1@gmail.com | mcgintyj1.github.io

SUMMARY OF QUALIFICATIONS

- Experience writing programs in Python, C++, Rust, Bash, TCL/TK, ASP.NET, Java, HTML and designing in CSS
- Strong commitment, vision, and leadership developed through leading test efforts and group projects
- Highly motivated to achieve and set goals both individually and as a group
- Strength in analyzing, researching, organizing, and problem-solving

EDUCATION

Bachelor of Science: Management Information Systems

Received August 2020

Bachelor of Arts: Computing and Informatics, Cyber Security Concentration

Rowan University, Glassboro, NJ

PROFESSIONAL EXPERIENCE

Systems Engineer

August 2023—Present

Lockheed Martin, Commercial Civil Space, Littleton, CO

- Led verification of avionics-level to GN&C requirements for the Orion spacecraft through test data analysis
- Developed and executed Artemis 2 post-flight data recovery test procedures in a flight-like simulated environment
- Developed automated Python scripting to support avionics-level simulations of the Orion spacecraft for Artemis 2
- Conducted subsystem and system-level electrical integration and powered testing in the Orion Integrated Test Lab

Full Stack DevOps Engineer

September 2022—August 2023

Lockheed Martin, Rotary & Mission Systems, Moorestown, NJ

- Deployed virtualized lab environments through AWS, utilizing Ansible playbooks for configuration management
- Created Docker containers leveraging Kubernetes for existing Containers and AMI's on Artifactory and Harbor
- Experience in expanding the Robot automation framework to support integration of capabilities for new baselines
- Developed and automated Python wrappers to encapsulate API's to support deployment of Aegis element builds

Systems Integration & Test Engineer

November 2020—September 2022

Lockheed Martin, Rotary & Mission Systems, Moorestown, NJ

- Developed Jenkins CI/CD work-flow to automate Robot test execution, element data collection, and log transfers
- Verification of system-level requirements through testing of baseline regression for the Aegis Weapon System
- Field experience supporting customer operation and performance analyses of ship integrated weapon systems
- Coordination with the leads of various baselines for the scheduling of test events and allocation of site equipment

INTERNSHIP EXPERIENCE

Systems Integration & Test Engineer Intern

June 2020—November 2020

Lockheed Martin, Rotary & Mission Systems, Moorestown, NJ

- Developed Robot Framework tests utilizing Python and Sikuli to automate Ship Self Defense System regression
- Verification of test requirements in a lab environment through system-level integration of software components

Information Security & Technology Intern

January 2019—July 2019

Systems Innovation Engineering, Mullica Hill, NJ

- Developed security policies and procedures in order to ensure compliance with relevant NIST 800-171 standards

Information Technology Intern, Cracker Barrel Old Country Store, Lebanon, TN

June 2018—July 2018

ACADEMIC EXPERIENCE

Vice President of Association for Computing Machinery, Rowan University, Glassboro, NJ

Fall 2019—Spring 2020

President of Management Information Systems Club, Rowan University, Glassboro, NJ

Fall 2019—Spring 2020

President of Cyber Security Club, Rowan University, Glassboro, NJ

Fall 2018—Spring 2020

President of Active Minds Club, Rowan University, Glassboro, NJ

Fall 2017—Spring 2020

Student Worker, Computer Science Department, Rowan University, Glassboro, NJ

Fall 2017—Fall 2019

EMPLOYMENT HISTORY

Retail Shift Leader and Skill Trainer, Cracker Barrel Old Country Store, Pennsville, NJ

July 2017—September 2020

Laborer, DK Corral LLC, Pedricktown, NJ

July 2014—February 2020

VOLUNTEER EXPERIENCE

Website Designer, Katherine Perez-Rivera, PhD, Rowan University, Glassboro, NJ

Fall 2017

Church Assistant, Emanuel Lutheran Church, Elmer, NJ

January 2016—January 2019