Matthew Anderson

P: 732-895-3469 |E: matt.anderson.inf@gmail.com|GitHub: github.com/mattandersoninf |Website: https://mattandersoninf.github.io/

Technical Skills

- Software Languages/ Software Tools: SQL, HTML, CSS, Javascript, Python, VB Script, C#, Git, Github
- Drafting Tools/ Engineering Tools: AutoCAD, LTSpice, Interface Protocols, Automatic Cable Test Equipment

Work Experience

Services Engineer I (Current position) - Lockheed Martin, Ship Integration and Test Feb 2018 - Present

- Develops SQL scripts to automate data queries so that team members can more readily analyze data from the LM Proprietary Database SCREAM and train junior engineers to use SCREAM
- Trains waterfront personnel to use the Automatic Cable Test Equipment
- Generates and maintains Cable Block Diagrams, Cable Running Sheets, Minimum Data Sets, Cable Impact Statements, iNAV, and ACT.
- Performs shipchecks to verify shipboard installation is in accordance with AWS specifications and standards
- Writes VBScript documents in Microsoft Access to relay customer requested information and assist in setting the standard

Software Test Engineer Intern - Canfield Scientific May 2016 - Sep 2017

- Coded C# scripts to automate full regression tests on the front and back ends of desktop applications.
- Collaborated with the development and testing teams to discuss procedures that would optimize efficiency of software products by reducing overall test time.
- Instructed fellow interns in scripting test modules and automation frameworks in C# driven through Ranorex

Projects/Applications

Interactive Employee Directory - Front-End Developer (https://mattandersoninf.github.io/TTHUnit8Project/) Dec 2019

- Created a website to generate random employee profiles that can be filtered and organize the extracted information
- Leveraged the Fetch and Random User APIs to randomly generate employee profiles.
- Fetched and parsed JSON formatted information into concise user profiles.

Web App Dashboard - Front-End Developer (https://mattandersoninf.github.io/TTHUnit7Project/) Nov 2019 - Dec 2019

- Created a web app to display site metrics including number of visits, how users are visiting the sites, and user activities and store user information
- Utilized the chart,js library to organize the site metrics into a user-friendly format

Compute Workload Optimization and Environmental Awareness - Lead, Raspberry Pi Developer Sep 2016 - May 2017

- Led a team of electrical engineering and computer engineering students to the 7x24 Exchange Competition between universities including NYIT, NJIT, and Rutgers
- Designed an open source data center infrastructure management system via Python scripts that drove a Raspberry Pi to collect information form the IPMI protocol to obtain maintenance information including temperature, barometric pressure, and airflow to maintain the health of servers.
- Implemented Python scripts that drove a Raspberry Pi to collect information form the IPMI protocol to obtain maintenance information including temperature, barometric pressure, and airflow to maintain the health of servers

Education

Rutgers University, School of Engineering
B.S. Electrical and Computer Engineering Sep 2013 - Dec 2017

Extracurriculars

First Robotics Mentor Jan 2019 - Present

- Mentors high school students on applied Java programming to hardware and robotics configurations in nationwide competitions.
- Provides guidance to high school students aspiring to pursue STEM careers.