
EDUCATION : University of Huntsville in Alabama

B.S. Electrical Engineering

ACTIVITIES AND ACHIEVEMENTS

Brockwell Technologies, Inc.

September 2020-Present

Team Lead / Software Engineer

- Primary point of contact for maintenance and development of Databots
- Primary point of contact for maintenance and development of MeteorService
- Experience using tools such as C++, MQTT, Protobuf, C#, Python, Docker, MongoDB, and FTP
- Wrote unit tests to cover legacy code and additions to legacy code for MeteorService in C++
- Lead effort to rebuild PrintClient using MQTT and Protobuf in C++
- Lead effort to rebuild DatabotsService using MQTT and Protobuf in C++
- Lead effort to implement save feature in InkboticsExplorer in C++
- Rewrote legacy code to allow for configuration of multiple cameras at once in C++
- Rewrote legacy code to store recorded data in mongoDB in C++

Brockwell Technologies, Inc.

December 2019-September 2020

Front-End Engineer

- Experience using tools such as Angular, Angular JS, Java, Javascript, Typescript, CSS, HTML, and MySQL
- Wrote unit tests covering front-end Angular elements
- Refactored to remove deprecated code and vulnerabilities during transition from AngularJS to Angular

Brockwell Technologies, Inc.

August 2019-Present

Cyber Product Development Lead

- Primarily responsible for the management and development of the Cyber Range-In-The-Box.
- Experience using tools such as Python, Django, pyVmomi, MySQL
- Wrote front-end and back-end of Range Manager web application
- Other tools used include, ESXi, vSphere, VMware, ELKstack, PFSense, Kali Linux, and Windows Server
- Developed timelines, requirement specification, requirement verification, and all other ISO9001:2015 requirements
- Familiar with AGILE development concepts and applications including: Jira, Bitbucket, and Github

Dynetics

December 2015-August 2019

SOC Analyst Trainee

- Experience using tools such as Flask, Django, ELKStack(Elasticsearch, Logstash, Kibana), Virtualbox, VMWare, Kali Linux, Ubuntu, CentOS
- Wrote Outlook add-on to report phishing emails in C#
- Wrote Whistler client to retrieve system data from host's registry in C#
- Helped create honey network, Loki, conducted "purple teaming" on Loki
- Wrote tool to detect and log injected threads in C#
- Helped create suite of tools for decoding/encoding, memory analysis, macro detection, and phishing in Python
- Experience with C#, C++, Python, Powershell

Hobbies and Interests

- [Github](#)
- [Portfolio](#)