Malcolm A. Jefferson

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EDUCATION : University of Huntsville in Alabama **B.S. Electrical Engineering**

Expected Graduation: May 2020

ACTIVITIES AND ACHIEVEMENTS

Brockwell Technologies, Inc. **August 2019-Present**

Project Lead Software Developer

- Primarily responsible for the management and development of the Cyber Range-In-The-Box.
- Experience using tools such as Python, Django, pyVmomi, sqlite3, HTML, CSS, Javascript, bash, and powershell
- Wrote front-end and back-end of Range Manager web application
- Other tools used include, ESXi, vSphere, VMware, ELKstack, PFsense, Kali Linux, 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**

Computer Security Operations Center Research Trainee

- Experience with C#, C++, Python
- Used ELKstack to create a passive DNS database
- Wrote Outlook add-on to report phishing emails
- Wrote Whistler client to retrieve system data from host's registry
- Experience using Splunk
- Helped create honey network, Loki; conducted "purple teaming" on Loki
- Wrote tool to detect and log injected threads

MAD Security **May 2015-December 2015**

Intern Contractor

- Wrote Nessus report parser using python
- Helped create and test labs designed to teach use of Cuckoo sandboxing software
- Helped create and test labs designed to teach use of Snort intrusion detection software

Aleta Technologies **May 2014-October 2014**

Intern

- Experience with: Python, Java, C++
- Wrote ARP poisoning script using python
- Wrote password cracker/password strength rater on a network wide scale, with GUI using python
- Experience using Kali Linux, Backtrack5 r3, Ubuntu, and Fedora

Hobbies and Interests

- Github: https://github.com/malcolmjefferson