

# BRANDON THOMPSON

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## WORK EXPERIENCE

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### Manifold Analytics

*Security Analyst*

April 2021 - Present

*Lakeland, Florida*

- Led implementation of STIGs for compliance with NIST SP 800-171 to achieve a CMMC score of 3 enabling the company to acquire/store/process CUI data.
- Established a system of least privilege by setting Active Directory structure, Group Policy and software deployment for the organization.
- Setup of log management and alerts using Graylog Enterprise enabling the company to receive alerts for malicious actions and maintain accountability

### Manifold Analytics

*Algorithm Developer*

November 2020 - April 2021

*Lakeland, Florida*

- Developing satellite image analysis algorithms in Python for use in machine learning applications.
- Azure DevOps setup including code management with Git, and SCRUM work methodology.
- Fixing static code analysis errors in C++ to obtain ATO on DoD systems.

### Haines City Technology Management Departement

*Intern*

Feburary 2020 - July 2020

*Haines City, Florida*

- Inventory management
- Writing and updating of Standard Operating Procedures (SOP) for workflows.
- Cost-Benefit Analysis (CBA) for integrating new SIEM software.

## EDUCATION / CERTIFICATIONS

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### Certified Ethical Hacker (CEH)

Expires: April 2025

### Florida Polytechnic University, Florida

Bachelor of Science Computer Science

Concentration: Cybersecurity

August 2017 - May 2021

## PROJECTS

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Ethical Hacking - Hacking of a version 7 CentOS server using the single user boot mode to change the root password, bypassing selinux and gaining root level access to the machine.

<https://drive.google.com/file/d/1mdKI-hYIHRRJoVQ6fBaYgkZEHF7zTwBr/view?usp=sharing>

Senior Design I/II - Winner of the Capstone Showcase - Best Computer Science Project 2021. Retrain-able object detection model to track various metrics on construction sites and improve safety. Included web app interface allowing the user to upload training data as well as run and test models on the server.

Operating Systems - Implementing system calls in C and a Multilevel Feedback Queue Scheduler (MLFQ) to manage context switching of processes on a minimal Linux operating system.

<https://github.com/thompsonb908/OS-Concepts>

Personal - Custom Python networking tools (TCP client/server, proxies and sniffers).

<https://github.com/thompsonb908/BlackHatPython>