

BRANDON THOMPSON

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WORK EXPERIENCE

Polk County Property Appraiser Security Analyst

**May 2022 - Present
Bartow, Florida**

- Application for cybersecurity grants from Florida Digital Service
- Tool setup and configuration for Endpoint Detection and Response (EDR) and Vulnerability Management solutions.
- Developed and implemented security policies, procedures, and standards based on Center for Internet Security (CIS) benchmarks.
- Conducted security awareness training programs to educate employees on best practices and potential risks for email, passwords, ransomware. Coordinate email phishing campaigns and assign training.
- Conducting vulnerability assessments to identify and remediate security weaknesses in systems and web applications.
- Setup and monitoring of security alerts using Security Operation Center (SOC) solutions.
- Developing Python scripts for automating tasks, including retrieving IP blocklists from Multi State Information Sharing and Analysis Centers (MS-ISAC).
- Stay up-to-date on malware campaigns and advanced persistent threat (APT) groups by following Ceybersecurity and Infrastructure Security Agency (CISA) and MS-ISAC news and webinars

Manifold Analytics Security Analyst

**April 2021 - May 2022
Lakeland, Florida**

- Led implementation of Security Technical Implementation Guides (STIGs) for compliance with NIST SP 800-171 to achieve a Cybersecurity Maturity Model Certification (CMMC) score of 3 enabling the company to acquire/store/process confidential unclassified information (CUI).
- 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 image analysis algorithms in Python for use in microservice architecture.
- Developing Python machine learning applications using Tensorflow and Pytorch for image recognition.
- Azure DevOps setiup including code management with Git, and SCRUM work methodology.
- Static analysis of C++ code to obtain authority to operate on Department of Defense (DoD) systems

EDUCATION

(In progress) Certified Penetration Tester (CPENT)
EC-Council

Expected completion: December 2023

Certified Ethical Hacker (CEH)
EC-Council

Expires: April 2025

Florida Polytechnic University, Florida
Bachelor of Science Computer Science
Concentration: Cybersecurity

August 2017 - May 2021
GPA: 3.62

RELEVANT COURSEWORK

Digital Forensics	<i>CIS 4203</i>	
Ethical Hacking	<i>CIS 4204</i>	
Computer Security	<i>CIS 4367</i>	A
Introduction to Computer Networks	<i>CNT 3004</i>	A
Operating System Concepts	<i>COP 4610</i>	B
Computer Architecture and Organization	<i>EEL 4768</i>	A
Applied Cryptography	<i>CIS 4362</i>	A
Software Security Testing	<i>CEN 4088</i>	A-

SCHOOL PROJECTS

Ethical Hacking - Hacking Linux server using the single user boot mode to change the root password.

Senior Design I/II - Computer Vision model for Whitning-Turner Construction company to track worker safety, the arrival time of supplies or other metrics.

Operating Systems Concepts - Implementing system calls and Multilevel Feedback Queue Scheduler on basic Unix operating system.

EXTRA-CURRICULAR

HackTheBox challenges for penetration testing techniques and binary exploitation.

Self hosting application services on home network using Docker containers and virtual machines.

Volunteer at a SeriousFun Children's Network summer camp for kids with serious illnesses.

Nature Photography.

Building and programming custom keyboards.

Writing LaTeX documents.