

BRANDON THOMPSON

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EDUCATION

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

August 2017 - May 2021
Current GPA: 3.62

CAREER OBJECTIVE

To work for an organization which provides the opportunity to improve my skills and knowledge to grow along with the organization's objectives.

CERTIFICATIONS

EC-Council Certified Ethical Hacker Expires: April 2025 Certification #: ECC3025896417

TECHNICAL STRENGTHS

Cybersecurity Tools	Kali Linux, Wireshark, IP Scanners, RSA NetWitness Investigator
Digital Forensics Tools	EnCase, . . .
Programming Languages	Java, C++, C, Python, CLIPS, PHP
Software & Tools	MS Office, Latex, Windows OS, Linux OS

WORK EXPERIENCE

Manifold Analytics November 28 2020 - Present
Algorithm Developer & Cybersecurity

- Led implementation of STIGs for compliance with NIST SP 800-171 cybersecurity requirements.
- Managing Active Directory structure, software deployment and Group Policy for the organization.
- Developing image analysis algorithms to gather data from an image for use in machine learning predictions.
- Developing machine learning models using Tensorflow for classification.

Haines City Technology Management Department February 2020 - July 2020
Intern

- Inventory management with Excel.
- Writing of Standard Operating Procedure and Cost-Based Analysis documents.
- Creation of Windows 7 Kiosk machines through registry edits with emphasis on securing the system from malicious users.
- Nagios monitoring software setup and installation.

- Co-authored multiple research papers under the lead of Dr. Robert Steele.
Machine learning-based prediction of prolonged length of stay in newborns. 2018
Data mining for generalizable pre-admission prediction of elective length of stay. 2019
- Speaker at the IEEE Computing and Communication Workshop and Conference.
- Applied machine-learning algorithms through Weka software for prediction of prolonged length of stay of hospital patients.

RELEVANT COURSEWORK

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

SCHOOL PROJECTS

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

Digital Forensics - Linux server retrieval of deleted documents after a system hack.

Senior Design I/II - Computer Vision model for Whitning-Turner Construction company to track various metrics on work sites and improve safety.

Operating Systems Concepts - Implementing system calls and Multilevel Feedback Queue Scheduler on a minimal operating system.

Mobile Device Applications - Ingredient tracking app that allows the user to search a database for recipes that contain specific ingredients.

EXTRA-CURRICULAR

Winner of the Florida Poly Capstone Showcase - Best Computer Science project 2021

Attempting to set up a personal cybersecurity lab for testing purposes.

Have seven consecutive years as member of a robotics team. (2013 - 2020)

Four years as part of FIRST FRC Robotics team 3556. (2013-2017)

Volunteered for two weeks at a SeriousFun Children's Network summer camp for kids with serious illnesses. (Summer 2019)