

# BRANDON THOMPSON

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## EDUCATION

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

August 2017 - May 2021  
Current GPA: 3.62

## CAREER OBJECTIVE

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

## TECHNICAL STRENGTHS

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

## WORK EXPERIENCE

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**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

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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

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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

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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)