BRANDON THOMPSON

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EDUCATION

Florida Polytechnic University, Florida *August 2017 - May 2021*
Bachelor of Science Computer Science Current GPA: 3.62
Concentration: Cybersecurity

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.

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
Cybersecurity & Algorithm Developer

- 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.

Haines City Technology Management Department February 2020 - July 2020
Intern

- Inventory management with Excel.
- Basic desktop and printer support. Replacing and cleaning hardware components.
- Hardware installation of servers and other network devices, desktops and cameras.
- Writing of Standard Operating Procedure and Cost-Based Analysis documents.
- Large area of service for the entire Haines City infrastructure including fire department, police department, road maintenance, city hall and community centers.
- Creation of Windows 7 Kiosk machines through registry edits with emphasis on securing the system from malicious users.
- Nagios monitoring software setup and installation.
- Creation of a inventory database with Microsoft Access.

Florida Polytechnic University May 2018 - Summer 2019
Research Assistant

- 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*	
Ethical Hacking	*CIS 4204*	
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 such as the arrival time of supplies.

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

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

EXTRA-CURRICULAR

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)