BRANDON THOMPSON

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EDUCATION

Florida Polytechnic University, Florida *August 2017 - May 2021*
Bachelor of Science Computer Science Current GPA: 3.61
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

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

- Developing image analysis algorithms to gather data from an image for use in machine learning prediction.
- Some information technology consulting on small business network.
- Compliance with NIST SP 800-171 cybersecurity requirements.

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

Programming Languages	*COP 4020*
Senior Design 2	*COP 4935C*
Senior Design 1	*COP 4934C*
Operating System Concepts	*COP 4610*
Computer Architecture and Organization	*EEL 4768*
Software Engineering	*CEN 4010*
Algorithm Design and Analysis	*COP 4531*
Computer Programming 2	*COP 3330*
Computer Programming 1	*COP 2272*

SCHOOL PROJECTS

Senior Design - Computer Vision model for Whitning-Turner Construction company to track various metrics on 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.

Software Engineering - Hotel Management System that allows guest and employee logins. Guests can reserve rooms or request service and employees can track service requests.

Database 1 - Creation of SQL database that tracks nutritional data for the on campus cafeteria.

EXTRA-CURRICULAR

Have seven consecutive years as member of a robotics team. (2013 - Present)
Four years as part of FIRST FRC Robotics team 3556. (2013-2017)
Presently a member of VEX-University.

Learning full-stack development in my free time.

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

PERSONALITY TRAITS

Highly motivated and eager to learn new things.

Very honest and modest person, I do not like to show off or gloat.

Ability to work as an individual as well as in groups.

Diligent and organized, being organized facilitates my workflow and helps me accomplish tasks on time.