

EDUCATION

Florida Polytechnic University.
Master of Science in Computer
Science - Data Science.
May 2022

Florida Polytechnic University.
Bachelor of Science in Computer
Science - Information Assurance &
Cyber Security.
May 2020

SKILLS

- R: Tidyverse, Dplyr, Ggplot, Shiny, Quarto
- Python: Matplotlib, Pandas, Seaborn, Numpy
- SQL
- Tableau
- PowerBI
- AWS
- GitHub
- Data Collection
- Data Visualization
- Data Mining
- Text Mining

PUBLICATIONS

- Yoshia, O., Sanchez-Arias, R., and Taj, S. "Application of Network Models to Assist in Data Science Curriculum Using Program and Course Learning Outcomes". 7th NA Orlando 2022 IEOM Proceedings (2022): 2264-2273.

PROJECTS

- Curriculum Interactive Dashboard in R: Developed a robust interactive dashboard using Shiny and Flexdashboard that produced advanced visualization reports and supported complex data and text mining to enhance curriculum mapping in higher education.
- Sales Trends Analysis in Python: Conducted in-depth analysis of consumer behavior and sale trends on Black Friday by utilizing Python to organize, explore, and visualize a comprehensive dataset.

WORK EXPERIENCE

Florida Polytechnic University. Data Analyst – Institutional Research.

January 2022 - Present

- Managed large datasets for the university, including student, staff, and faculty data, improving data accuracy and integrity.
- Developed and maintained predictive analytics models for program and course enrollment.
- Implemented a data governance tool to help internal users understand their data better and ensure accurate data.
- Produced reports in Excel for key performance metrics, ensuring compliance with federal, state, and agency reporting requirements.
- Created data visualizations and dashboards using R and Tableau. Proficient in data management, query software, and data visualization tools.

Florida Polytechnic University. Adjunct Professor.

August 2021 - December 2022

- Taught COP 2073 - Introduction to Data Science
- Taught CTS 2375 - Cloud Infrastructure & Service
- Taught over 100 students in 3 semesters, achieving an average course rating of 4.39/5 which exceeded university, department, and course averages.
- Collaborated with Amazon Web Services (AWS) to develop and implement a new curriculum for the course Cloud Infrastructure and Service.

Perfume Express. Store Manager.

June 2018 - February 2022

- Implemented a customer feedback program resulting in a 15% increase in repeat business, thereby helping to build brand loyalty and a stronger customer base.
- Conducted training and development sessions to increase employee retention.
- Ensured timely restocking and replenishment, and organized, prepared, and executed inventory assessments for showcase.

Integrity Consulting & Risk Management. Cyber Security Intern.

June 2019 - August 2019

- Identified, collected, organized, and reviewed pertinent evidence across multiple platforms and applications to determine compliance with GDPR and other applicable regulatory controls.
- Executed a strategy for dealing with security audits, compliance checks, and external assessment processes for internal/external auditors to ensure regulatory compliance, resulting in a reduction of audit-related incidents and a 25% decrease in the average time required to complete an audit.
- Helped drive security awareness across clients through phishing campaign services, improving end user awareness by 15%.