

Orel Yoshia

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EDUCATION

Florida Polytechnic University, Lakeland, FL

Master of Science in Computer Science: Data Science, May 2022

Bachelor of Science in Computer Science: Information Assurance & Cyber Security, May 2020

EXPERIENCE

Florida Polytechnic University, Lakeland, FL

Institutional Research Analyst, January 2022–Present

- Created data visualizations and dashboards using Power BI and R, resulting in a 30% increase in visibility of key performance indicators and a 25% reduction in time spent on manual data processing.
- Extracted data from various systems and Institutional Research operation data system (ODS) using SQL queries, processing over 1,000 records per week with high accuracy.
- Communicated insights to relevant stakeholders using data visualizations that support institutional improvement, effectiveness, and efficiency, resulting in a 15% increase in productivity for strategic initiatives.

Adjunct Professor, August 2020 – Present

- Collaborated with AWS to develop and implement a new curriculum for teaching Cloud Infrastructure and Service, resulting in a 30% increase in student satisfaction scores.
- Taught two courses, including Introduction to Data Science and Cloud Infrastructure & Service, to over 100 students in 3 semesters, achieving an average course rating of 4.39/5 which exceeded University, Department, and Course averages.
- Streamlined course materials and utilized interactive teaching methods, resulting in a 25% increase in student engagement and a 30% increase in overall course performance.

Perfume Express, Lakeland, FL

Store Manager, June 2018 – Feb 2022

- Implemented a customer feedback program resulting in a 10% increase in customer satisfaction and 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 by 50%, resulting in a 30% increase in employee engagement.
- Oversaw \$140,000 worth of merchandise, ensuring timely restocking and replenishment, and organized, prepared, and executed inventory assessments for showcase. Increased inventory accuracy by 10% and increased sales revenue by 15%.

Integrity Consulting & Risk Management, Tel Aviv, Israel

Cyber Security Intern, June 2019 – Aug 2019

- Identified, collected, organized, and reviewed pertinent evidence across multiple platforms and applications to determine compliance with GDPR and other applicable regulatory controls, resulting in 15% reduction in audit findings.
- 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%.

SKILLS

R, Tidyverse, Dplyr, Ggplot / Ggplot2, Shiny, Python, Matplotlib, Pandas, Seaborn, Numpy, Microsoft Excel, SQL, PowerBI, AWS, GitHub, data collection, preprocessing and transformation, data visualization, data mining, text mining

PUBLICATIONS & PROJECTS

Florida Polytechnic University, Lakeland, FL

Application of Network Models, Spring 2022

- Received First Place for 2022 IEOM Graduate Student Paper Competition, demonstrating exceptional research and programming skills in the field of Industrial Engineering and Operations Management.
- Developed a robust interactive dashboard using R that produced advanced visualization reports and supported complex data and text mining to enhance curriculum mapping in higher education.
- Created a resource for students to guide their studies and future careers by understanding how course learning outcomes map to program learning outcomes.
- Produced a network map using course and program learning outcomes to ensure synthesized outcomes to improve the curriculum mapping processes.
- 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.

Wrangling and EDA, Spring 2021

- Conducted in-depth analysis of consumer behavior and sales trends on Black Friday by utilizing Python to organize, explore, and visualize a comprehensive dataset.
- Examined the impact of consumer demographics on sales, identifying key insights into purchasing patterns and behaviors.
- Determined key factors that maximize profitability on Black Friday, providing valuable information to steer marketing decisions for future events and drive revenue growth.