

Education

BACHELOR OF SCIENCE IN DATA SCIENCE – Florida Polytechnic University – Lakeland, FL

Expected 5/2027

ASSOCIATE OF SCIENCE IN COMPUTER PROGRAMMING/ANALYSIS – State College of Florida – Venice, FL

12/2023

Skills

<b>Python</b> Libraries: pandas, matplotlib, seaborn, sci-kit learn	<b>R Programming</b> Packages: dplyr, ggplot, tidyr	<b>Microsoft Office</b> Emphasis on Excel, VLOOKUP, pivot tables, basic formulas
<b>Tableau</b> Interactive dashboards and visualizations Storytelling and filtering	<b>SQL</b> Data cleaning, joins, query optimization Aggregation functions, filtering and group by	<b>Hadoop</b> Tools: HDFS, MapReduce, PySpark

Projects

- PYTHON/SQL: VIRGINIA HOUSING ANALYSIS – Personal Project (2025)

  - Built an **end-to-end data pipeline** to collect, clean, and analyze **Virginia housing data** scraped from Redfin using requests.
  - Cleaned and standardized** data in MySQL, then performed exploratory data analysis (EDA) in Python to identify trends and outliers.
  - Engineered features** (price per square foot, property type encoding) and removed outliers to **improve model performance**.
  - Developed and tuned a **Random Forest Regressor** to **predict home prices** and **built a recommendation system to identify top properties** based on user preferences.
- PYSPARK – END TO END DATA PROJECT – University Project (2025)

  - Cleaned and processed IMDb’s public dataset (**~70 million rows**) using **PySpark and SQL libraries**
  - Performed **exploratory analysis** and engineered features from movie metadata (runtime, genres, votes)
  - Built and evaluated a linear regression model** to **predict IMDb** ratings for potential new movie candidates
  - Completed full data pipeline: collection, cleaning, analysis, modeling, and visualization**
- RSTUDIO DATA ANALYSIS: STUDENT SLEEP PATTERNS – University Project (2024)

  - Conducted comprehensive **analysis** of student sleep patterns, **identifying key factors** influencing sleep duration and quality using RStudio and statistical methods.
  - Processed, cleaned and transformed** the dataset, addressing missing values and formatting issues to **ensure data integrity** and **accuracy** of analysis
  - Effectively **communicated** findings through **visualizations** using **ggplot**, to show **trends** in sleep behaviors based on different factors

Work Experience

- ONLINE DATA ANALYST – TELUS International

Nov 2023 – Apr 2024
- Reviewed and rated images, sounds and search results to **improve AI training data**, ensuring accuracy and relevance for machine learning models
  - Securely worked while **maintaining data privacy** and **security regulations**
  - Provided **detailed feedback** to enhance algorithm performance and optimize model accuracy
  - Maintained a **high level of accuracy** and attention to detail in evaluating digital content

**SALES ASSOCIATE** –The TJX Companies, Inc – Venice, FL

May 2021 – Mar 2022

- Managed the HomeGoods department, including rugs, lamps, and furniture, while maintaining a **high level of customer service**.
- Assisted customers with product inquiries and provided recommendations to improve their shopping experience.
- Ensured **inventory organization** and floor presentation met company standards.
- Worked very well with teammates and **communicated effectively** on what tasks needed to be accomplished.

**LIBRARY STAFF & TECHNOLOGY SUPPORT (VOLUNTEER)**– Osprey Library – Sarasota, FL

May 2016 – May 2019

- Assisted library patrons with **technology support** and troubleshooting issues.
- **Organized** book returns alphabetically to maintain an efficient library system.
- Provided **customer service** to patrons, ensuring a welcoming and helpful environment.