Matthew Gregorat

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EDUCATION

Florida Polytechnic University Lakeland, FL

Bachelors of Science in Computer Science – Expected Graduation: May 2025

Concentration: Data Analytics
Related Coursework: Object Oriented Programming, Database 1/2, Advanced Data Analytics, Topics in Big Data, Data Mining and Text Mining, Algorithms, Data Structures *GPA*: (3.40/4.00)

Florida Polytechnic University Lakeland, FL

Master of Science in Computer Science – Expected Graduation: *May 2026*

Concentration: Computer Science

Related Coursework: Computer Network Programming, Research Methods in Computer Science

SKILLS

- *Programming Languages:* SQL, Python, R, Java, C++, React, HTML/CSS
- *Data & Analytics Tools:* SQL Server, Apache Hadoop, Apache Kafka, Tableau
- Technical Skills: Data Analysis, Project Management, Database Management & Design
- Software & Tools: MS Office Suite, Git, MS Excel, MS Word, MS Visio

PROJECTS

Real-Time Stock Predictor

- Designed a robust workflow pipeline, utilizing Apache Kafka for real-time data streaming to a Hadoop Distributed File System
- Employed PySpark to generate trend indicators and built an LSTM neural network to predict stock performance
- Result: Built a model with a trend accuracy of 85%, providing actionable insights into stock trading predictions

Database Design for E-Commerce

- Developed a comprehensive e-commerce database, implanting RSA encryption to secure sensitive data.
- Used advanced SQL queries and indexing to optimize query performance and uncover insights.
- Result: Reduced query time by 50% and ensured data compliance with industry security standards.

EXPERIENCE **New York Life Insurance Co.** | Tampa, FL

Underwriting Strategist/Data Analyst Intern | June 2023 – August 2023

- Collaborated within the Product, Research, Underwriting Strategy, and Advanced Analytics (PRUA) department to perform data analysis
- Utilized SQL to extract and analyze data from company databases proficiently
- Managed heavy workloads by creating and delivering presentations
- Mastered Microsoft tools, including Excel and PowerPoint, to support data analysis and reporting