

Daniel Rivera

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Professional Summary

Computer Science Student from Florida International University with a strong foundation in **data science**, **machine learning**, and **software development**. Proven ability in implementing efficient **data processing** and **ETL pipelines**, developing **advanced analytical models**, and leading project design from conception to deployment. Passionate about leveraging **analytical skills** and technical expertise to solve complex problems and drive data-driven decision making. Adept at enhancing team collaboration and productivity through effective teaching and mentoring. Seeking to apply my skills and knowledge as a **Data Scientist** or **Machine Learning Engineer** to contribute to innovative solutions and continue professional growth.

Education

Florida International University | Miami, FL

Expected Graduation: Summer 2024

▪ B.A Computer Science | A.A General Studies

GPA: 3.27/4.0

Skills

- **Programming Languages:** Java | Python | SQL | C | HTML | CSS | JavaScript
- **Relevant Courses:** NLP | Data Mining | Database Management | Data Structures | Operating Systems | AI
- **Data Science & Machine Learning:** scikit-learn | NumPy | Matplotlib | RDBMS | AI | Transformers | Neural Networks
- **Software & Tools:** Microsoft Office | Power BI | Power Query | Fusion 360 | AutoCAD | Git | AWS | MySQL
- **Certifications:** Business Operation | Business Management | Accounting Technology Specialist | AI4ALL

Experience

Yunex Traffic | Data Engineering Intern

08/2023 - Current

- **Optimized data** processing by implementing efficient **ETL pipelines**, and **automated** workflows.
- Developed interactive dashboards using **Power BI**, enhancing data interpretability for cross-functional teams.
- Automated routine **data analysis** tasks, improving operational efficiency.

Zero Limit LLC | Lead Programming Instructor

11/2022 – 08/2023

- Revamped program **AI**, and **Python** curriculum, leading to an increase in student engagement and comprehension.
- Selected educational resources and crafted lesson plans focused on **3D modeling** and **web development**, customizing instruction to advance individual students' skills in these technical domains.

Publix | Pharmacy Technician

01/2020 – 01/2022

- Managed and analyzed patient inquiries through incoming calls, providing data-driven responses to improve customer satisfaction.
- Enhanced pharmacy workflow by assisting pharmacists with medication dispensing, labeling, and packaging.
- Ensure efficient access, and management of patient data to coordinate and streamline medication availability.

Projects

Student Administration | Database | SQL | Java

06/2023

- Developed an advanced graphical user interface (**GUI**) featuring multiple interactive panels, frames, and buttons, designed to simulate a comprehensive student portal.
- Designed and implemented a **SQL**-based backend for the **GUI**, facilitating diverse functionalities such as student application processing, course enrollment, and withdrawal, ensuring seamless **data integration** and **transaction management**.

Hate Speech Detector | Python | Git | Transformers | Kaggle

01/2024

- Developed a **machine learning model** using the **Transformers library** to detect hateful, and/or inappropriate speech.
- Implemented user-report system that further develops the **LLM's** adaptability to new forms of hate speech.
- Collaborated in a team to refine the hate speech detection algorithm, boosting its precision and multilingual adaptability.

Weather Forecast Application | Python | Open Weather API | Git

03/2024

- Implemented **Open Weather API** to provide real-time weather updates.
- Spearheading a team in the development of a **GUI** through implementing an **Agile** framework.

Student Associations

FIU INIT | Member

01/2023

- Attended development workshops on topics such as web development, **AI**, game development, **algorithms**, and others.
- Mentored new members on **AI**, and **machine learning techniques**.

FIU NASA Lunabotics | Programmer

01/2024

- Programmed remote control, sensors, wireless communication, **microcontrollers**, and the **Nvidia Jetson Nano** for the **Nasa Lunabotics** challenge.