Raul Mendy

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EDUCATION

Florida Atlantic University   Boca Raton, FL
B.S. Computer Science (GPA 3.9), Minor in Cybersecurity   (May 2024)

Tufts University   Medford, MA
B.S. Community Health (GPA 3.5)   May 2019

RELEVANT COURSEWORK

Programming in C/C++, Python Programing, Web Development, Data Structures and Algorithms, Software Engineering, Discrete Math, Matrix Theory, Cryptography, Computer Architecture, Artificial Intelligence, Database Systems, Object-Oriented Design, and Operating Systems

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript/HTML/CSS, Java, SQL, PHP
Tools: Git, MongoDB, Google Cloud, Linux/Unix, Azure, Docker, Jira, Gradle, Maven, MS Project, SPSS
Frameworks/Libraries: Pandas, NumPy, PyTorch, OpenCV, Nodejs, Cryptopp, Flask, Jenkins, Jest

EXPERIENCE

Florida Power and Lights   May 2023 – Present
Software Research Intern   Boca Raton, FL
- Developed LSF model and interface for multimodal data analysis for enhancing Prognostic Health Management of smart grid power transformers which achieved 98% fault classification accuracy.
- Authored paper published to International Conference on Machine Learning and Applications '23 *https://mendyraul.github.io/assests/REU_Symposium_2023_GPT_PowerTransformer-2.pdf*

PROJECTS

Encryption/Decryption Website | *HTML, JavaScript, jQuery, SQL*   January 2023 – April 2023
- Designed and built a user-friendly website enabling secure communication through private key encryption and implemented database for generating and managing ciphertexts, enhancing data privacy and confidentiality. *https://mendyraul.github.io/pages/encryption.html*

Flight Analysis Website | *Python, SQL*   August 2023 - Present
- Deployed dynamic website and ETL pipeline to ingest flight data from Miami International Airport and automated data collection into a cloud environment. The live feed pulls from the created database and projects arriving and departing flights as well as numerous performance indicators. *https://flight-tracker-mia-86993c1b25bf.herokuapp.com/*

LEADERSHIP AND EXTRACURRICULARS

Argentina National Lacrosse Team   Buenos Aires, Argentina
Captain   May 2018-Present
- Played in the FIL World Lacrosse Championship in Netanya, Israel and placed 19th

Pets In Distress   Fort Lauderdale, FL
Vice President   June 2013-Present
- Manage over 30 volunteers for fostering animals and working adoption events.
- Make executive decisions on major company issues and policies.

LANGUAGES
- Fluent in Spanish, Proficient in French