PABLO MORENO
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EDUCATION

Rutgers University – *Newark, New Jersey* **Expected graduation:** *December 2026*
Bachelor's Degree in Computer Science, Minor in Data Science & Mathematics **GPA:** 3.85/4.0 - **Dean's Scholar - ColorStack**
Relevant Coursework: Data Structures & Algorithms I-II, OOP in Java, Intensive Programming in C/Linux, Computer Organization, Mobile App Development, Programming in Python, The Complete Full-Stack Web Development Bootcamp (***Udemy***)

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C, SQL, R
Frameworks & Libraries: Node.js, Express.js, jQuery, React.js, Pandas, Scikit-Learn, NumPy, Tableau, Matplotlib, Seaborn
Technologies: Linux, Git, MongoDB, PostgreSQL, VS Code, Jupyter Notebook, Tableau, Android Studio, Microsoft Office

PROFESSIONAL & LEADERSHIP ACTIVITIES

Break Through Tech AI Program | AI Fellow | Virtual at Cornell Tech *March 2025 - June 2026*
- Selected as one of few participants nationwide into a competitive, year-long AI program hosted by Cornell Tech, focused on machine learning, data science, and solving complex problems through AI-driven solutions.
- Mentored by leading AI professionals from top tech companies, gaining insights into cutting-edge AI applications.

The Braven Accelerator | Fellow | Newark, New Jersey *September 2024 – Present*
- Led research efforts for a group project, analyzing surveys and market trends to address Gen Z engagement with insurance plans.
- Collaborated with team members to develop and present data-driven solutions, including targeted social media campaigns and strategies, to Horizon BCBSNJ representatives, projecting a 20% increase in engagement.

Rutgers-Newark NCAA Men's Soccer Team | Team Member | Newark, New Jersey *August 2022 – Present*
- Compete at the collegiate level, balancing 30+ hours of weekly training and meetings with academic responsibilities.
- Enhance leadership, discipline, and problem-solving skills in high-pressure and competitive environments.

PROJECTS

TeamHub | Personal Project | React, Node.js, Express.js, MongoDB, Tailwind CSS *March 2025 - Present*
- Build a secure full-stack web app to help athletic teams manage schedules, to-dos, and team communication.
- Implement user authentication with JWT and role-based access for players and captains.
- Develop core features including a calendar module with ExcelJS, a responsive two-card dashboard layout.
- Create a dynamic, personalized leaderboard that ranks teammates based on attendance, to-do completion, and message board activity, promoting engagement through gamification and meeting teams needs.

Electric Vehicle Data QA & Statistical Analysis | Personal Project | R, ggplot2 *February 2025*
- Perform data profiling and quality assurance on 200,000+ electric vehicle records, identifying and addressing null values, outliers, and inconsistent formatting to ensure data integrity.
- Apply statistical analysis techniques including permutation and A/B testing to compare base MSRP and electric range between BEVs and PHEVs, evaluating statistical significance in performance and pricing differences.
- Leverage ggplot2 for visualization, creating clear visual comparisons of key metrics and trends.

Weather App with API Integration | Personal Project | Java, Android Studio, OpenWeatherMap API *December 2024*
- Built a mobile weather app using Java, integrating OpenWeatherMap API to fetch real-time weather data for 200,000+ cities.
- Designed a user-friendly interface with geolocation support, enabling users to view weather updates for their current location.
- Implemented caching and asynchronous tasks to optimize performance and reduce API call frequency.

Sports Winner Predictor | Personal Project | Python, Scikit-learn, Pandas *November 2024*
- Conducted web scraping on 1,100+ professional english soccer match records across recent years using Beautiful Soup.
- Cleaned and prepared datasets using pandas, leveraging domain knowledge of sports to validate and refine the data.
- Applied predictive modeling analyzing team statistics and trends, using Random Forest algorithms in scikit-learn to forecast match winners, achieving a 68% prediction success rate and improving the initial model accuracy by 5%.