

MICHELLE ZAMBRANO

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MY PROFILE

Aspiring Data Science Intern with practical experience in machine learning, SQL, and Python. Developed analytical models and integrated insights into dashboards during previous internships. Currently pursuing a Master's in Artificial Intelligence, eager to leverage technical and communication skills to drive data-informed decision-making and contribute to impactful, cross-functional projects.

EDUCATION

New Jersey Institute of Technology <i>Master's Degree, Artificial Intelligence</i>	Sep 2026 - May 2027
New Jersey Institute of Technology <i>Bachelor's Degree, Computer Science</i>	Sep 2022 - May 2026

PROFESSIONAL EXPERIENCE

NJIT Women in Computing Society <i>Technical Director</i>	May 2025 - Present
<ul style="list-style-type: none">Created and deployed event landing pages and digital resources to support hackathons, workshops, and community initiatives for 200+ members.Hosted technical workshops on web development, Git/GitHub, and cybersecurity fundamentals, empowering members with practical skills.Collaborated with the executive board to integrate technology into organizational operations, streamlining event registration, communication, and resource sharing.Mentored members on technical tools and best practices, fostering hands-on learning and professional growth.	
Bank of New York <i>Developer Intern</i>	May 2025 - Aug 2025
<ul style="list-style-type: none">Designed and implemented a Risk Overview Dashboard using Angular to visualize key cybersecurity metrics and support internal reporting.Developed a machine learning model using the Random Forest algorithm to predict vulnerability priorities by analyzing features such as likelihood, impact, and scan data.Integrated ML-based predictions into the dashboard, enabling real-time comparison with actual priority labels for improved decision-making.Collaborated in Agile development processes, contributing to sprint planning, UI/UX enhancements, and stakeholder communications.	
New Jersey Equity in Commercialization Collective <i>Research Assistant</i>	May 2024 - May 2025
<ul style="list-style-type: none">Troubleshooted and resolved technical issues related to web development and user interfaces, enhancing user experience and minimizing downtime.Produced promotional content, including flyers and LinkedIn posts, to boost event visibility and engagement.Coordinated event planning and logistics to ensure smooth execution and effective outreach.Managed website updates and content modifications to maintain accurate and accessible research information.	

PROJECTS

Pfizer Digital Hackathon App SideKick

- A smart mental health side-effect tracker and alert system that helps users navigate healthcare with personalized care pathways, educational resources, and timely reminders..

Vulnerability Severity Predictor

- Developed a machine learning model to predict vulnerability priority levels based on scan data, impact, and likelihood, enhancing risk assessment in cybersecurity dashboards.

GenAI Stock Analysis and Prediction Web App

- Built a stock prediction app using machine learning and Python, with real-time market analysis and data visualization via TensorFlow and Plotly.

NLP For Clinicals Notes

- A project to develop an NLP tool that processes medical transcriptions extracts key information, and maps it to healthcare standards for better data analysis.

SKILLS

- Technical Skills:** Python, Java, C, SQL, Scripting Languages, Data Analysis
- Professional Attributes:** Willingness To Learn