

# MICHELLE ZAMBRANO

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## MY PROFILE

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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

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### New Jersey Institute of Technology

Sep 2026 - May 2027

*Master's Degree, Artificial Intelligence*

### New Jersey Institute of Technology

Sep 2022 - May 2026

*Bachelor's Degree, Computer Science*

## PROFESSIONAL EXPERIENCE

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### NJIT Women in Computing Society

May 2025 - Present

*Technical Director*

- 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

May 2025 - Aug 2025

*Developer Intern*

- 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

May 2024 - May 2025

*Research Assistant*

- Troubleshoot 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

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### 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

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