MICHELLE ZAMBRANO

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MY PROFILE

Aspiring Software Engineer pursuing a Master's in Artificial Intelligence with proven software development experience. Developed predictive models and integrated machine learning insights into dashboards during an internship, showcasing strong analytical and technical skills. Eager to leverage Python, C, and hands-on development expertise to contribute to innovative, data-driven fintech projects.

EDUCATION

New Jersey Institute of Technology | *Master's Degree, Artificial Intelligence* **Sep 2026 - May 2027**

New Jersey Institute of Technology | *Bachelor's Degree, Computer Science* **Sep 2022 - May 2026**

PROFESSIONAL EXPERIENCE

NJIT Women in Computing Society | *Technical Director* **May 2025 - Present**

- Developed and deployed event landing pages and digital resources to support hackathons, workshops, and community initiatives for 200+ members, demonstrating strong communication and analytical skills.
- Organized and hosted technical workshops on web development, Git/GitHub, and cybersecurity fundamentals, equipping members with practical expertise applicable to developing administration tools and platform enhancements.
- Collaborated with the executive board to integrate technology into organizational operations, streamlining event registration, communication, and resource sharing—experience transferable to assisting department heads and working closely with associates.
- Mentored members on technical tools and best practices, fostering hands-on learning and reinforcing a client-focused approach to problem solving.

Bank of New York | *Developer Intern* **May 2025 - Aug 2025**

- Developed a Risk Overview Dashboard using Angular to visualize key cybersecurity metrics for internal reporting, aligning with the creation of metrics dashboards.
- Engineered a machine learning model (Random Forest) to predict vulnerability priorities using features such as likelihood, impact, and scan data, highlighting strong analytical skills.
- Integrated ML predictions into the dashboard, enabling a comparison with actual priority labels and demonstrating proficiency in enhancing system features analogous to improving a trading platform.
- Participated in Agile development by contributing to sprint planning, UI/UX improvements, and stakeholder meetings, showcasing effective communication and teamwork.

New Jersey Equity in Commercialization Collective | *Research Assistant* **May 2024 - May 2025**

- Troubleshot and resolved technical issues related to web development and user interfaces, enhancing user experience and reliability—experience applicable to developing administration tools.
- Created promotional content, including flyers and LinkedIn posts, to enhance event visibility and engagement, reflecting strong communication skills.
- Assisted in planning and coordinating events while ensuring smooth logistics and effective outreach, mirroring the collaborative spirit required to work closely with department heads and associates.
- Managed website updates and content modifications to maintain accurate, accessible research information, underlining a detail-oriented approach beneficial for technical analysis.

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

- **Programming Languages:** Python, Java, C
- **Core Competencies:** Computer Science, Analytical Skills