Mateo Flores

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EDUCATION

Northwestern College | Orange City, IA   Graduated: May 2025
Bachelor of Arts in Software Engineering

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Object-Oriented Programming, Database Management Systems, Web Development, Machine Learning, Networking.

Technical Skills

- **Programming Languages**: Python, C/C++, SQL, JavaScript, HTML/CSS
- **Developer Tools & Frameworks:** React, Node.js, Express.js, Git, VS Code, Oracle APEX, Azure
- **Databases**: PostgreSQL, MySQL, SQLite
- **Cybersecurity Tools:** Nessus, Wireshark, Greenbone, Nmap, Metasploitable, Splunk

EXPERIENCE

Cyber Security Analyst | **Northwestern College** | Orange City, IA   Nov 2024 – May 2025

- Conducted penetration tests and vulnerability assessments using **Nessus, Nmap, and Metasploitable**, identifying and mitigating critical risks, and reducing vulnerabilities by **60%.**
- Improved defenses against cyber threats by remediating **60%** of identified issues from security scans, ensuring robust system integrity and resilience.
- Strengthened endpoint security by assessing device configurations and implementing strategies to protect sensitive data across multiple systems.

IT Technician | **Northwestern College** | Orange City, IA   Jan 2024 – May 2025

- Diagnosed and resolved **hardware/software issues**, reducing resolution time by **30%** and gaining hands-on debugging experience.
- Improved system performance and reliability by **15%** through proactive diagnostics and scripting small-scale tech solutions.
- Communicated technical resolutions to non-technical users, boosting **customer satisfaction** by **30%** and strengthening collaboration skills.

Technology and Management Intern | **Future Stars Tennis Club** | Southampton, NY   May – Aug 2024

- Streamlined booking processes by integrating booking software with client databases, reducing processing time by **20%.**
- Ensured database security and integrity during operations and upgrades by enforcing best practices, achieving an **80%** data accuracy rate.

Projects

Becarios International Agency – Player Management Web App   **Ongoing**

- Developing a full-stack web application using **Node.js, Express.js PostgreSQL** and **React** to manage and streamline player profiles across sports, demographics, and academic metrics.
- Designing a responsive user-interface to enhance scouting workflows and recruitment tracking.

Tennis Experience Board   **View Project**

- Built a full-stack web application using **Node.js, Express.js,** and **PostgreSQL**, allowing users to submit and view tennis experiences while efficiently managing data.
- Implemented dynamic content rendering with **EJS** templating, creating a responsive and user-friendly interface that enhanced user engagement.

PiCar X   **View Project**

- Programmed a robotic car in a team of 5 with Python to respond to real-time keyboard commands over UDP, gaining hands-on experience with socket programming and network protocols.

Leadership & Affiliations

CodePath & ColorStack Fellow (Nov 2024 – Present): Completed industry-vetted training in software engineering, strengthening coding, problem-solving, and career development skills.

Athletic Communications | Northwestern College (Feb 2024 – May 2025): Managed digital content and live-stream production, enhancing athletic engagement and online presence.

Men's Tennis Varsity Team Member (Aug 2021 – May 2025): Demonstrated leadership, teamwork, and discipline while representing the institution in regional and national competitions.