

# Mateo Flores

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## EDUCATION

### Northwestern College

*Bachelor of Arts in Software Engineering*

Orange City, IA

*(Expected) May 2025*

### West Virginia State University

*Bachelor of Arts in Computer Science (Transfer)*

Institute, WV

*Aug. 2021 - May 2023*

## EXPERIENCE

### IT Technician

*Northwestern College*

Jan 2024 – Present

*Orange City, IA*

- Problem-solving IT-related issues for students, faculty, and staff.
- Gain understanding of various methods of repairing computers and fixing system errors.
- Exhibit strong listening and customer service skills to understand the problem and make people feel welcome fully.

### Athletic Communications

*Northwestern College*

Feb. 2024 – Present

*Orange City, IA*

- Managed website content, statistical analysis, graphic design, live stream production, and broadcasting.
- Improved debugging and problem-solving abilities.

### Front Desk Athletic Department

*Northwestern College*

Aug. 2023 – Dec. 2023

*Orange City, IA*

- Engaged in ongoing responsibilities at the Athletic Department's front desk.
- Utilize computer systems regularly to assist both staff and visitors.
- Hone customer service skills through continuous interaction with various individuals.
- Gain valuable hands-on experience that contributes to my professional growth.
- Acquire technical and interpersonal competencies crucial for a future in software engineering.

## PROJECTS

### Encryption and Decryption Program | *Python, Web Development, CSS/HTML, JavaScript*

Aug. 2024

- Developed a program to encrypt and decrypt data using the Caesar cipher technique, gaining hands-on experience with basic cryptography.
- Learned the critical role of encryption in protecting data, reinforcing the importance of cybersecurity, and enhancing problem-solving skills for real-world software security challenges.

### PiCar X | *Python, Networking, UDP*

Nov. 2023

- Developed a program that enables the user to control a robot car (PiCar) using a keyboard, sending commands over a UDP connection over the network.
- Worked in a team sharing ideas on how to make this program and the robot work.

### UDP Chat (reliable data transfer) | *Python, Networking, UDP, Cybersecurity*

Sep. 2023

- Implemented a UDP Chat system in Python with a focus on reliable data transfer.
- Provided a user-friendly interface for real-time chatting using the UDP protocol.
- Prioritized data reliability through effective error handling and verification mechanisms.

## TECHNICAL SKILLS

**Languages:** Python, C/C++, SQL, JavaScript, HTML/CSS, Perl, Linux/Unix

**Frameworks:** React, Node.js, Django, NIST.

**Developer Tools:** Git, Git Bash, VS Code, Visual Studio, PyCharm, Godot.

**Libraries:** Pandas, NumPy, Matplotlib

## PERSONAL SKILLS

**Languages:** Spanish (Native Language); English (Bilingual Proficiency).

**Customer Engagement and Marketing:** Customer Service, Communication and Public Relations, Sales.

**Digital Presence and Marketing Expertise:** Social Media Management (Instagram, TikTok, Facebook), Photography, Video Editing, Digital Marketing, Student-Athlete.