Alejandro Teran

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Objective

Aspiring Software Engineer pursuing a Bachelor's in Computer Science at UTEP with hands-on experience building real-world solutions through internships and personal projects. Passionate about full-stack development, mobile apps, and AI-powered tools that improve user experience and accessibility. Eager to continue growing through impactful software engineering roles.

Education

University of Texas at El Paso (UTEP)   **Expected Graduation: Dec 2026**
Bachelor of Science in Computer Science   *El Paso, TX*

Work Experience

Software Developer Intern @ Modo Labs   **6/2025 − 8/2025**
- Completed training to get to know Modo Labs' platform and learn how to use AWS-based infrastructure.
- Developed an advisor database that automatically filters each student's assigned advisor based on department and major, integrating **Calendly** scheduling and real-time contact options.
- Developed a scalable events module supporting **event registration**, calendar sync, and filtering by club or department, improving accessibility for **25,000+ UTEP students**.

Frontend Developer Volunteer @ Visionary Solutions of Virginia   **3/2025 - 6/2025**
- Design and develop accessible, user-friendly web interfaces using Figma and Wix.
- My role included optimizing performance, ensuring WCAG compliance, collaborating with designers and developers, and enhancing user experience through research and feedback.

Projects

Space Object Tracker ↗   **Java, OOP, Design Patterns, JUnit**
- Java console app tracking LEO objects using **Strategy** and **Template Method** patterns.
- Modeled extensible objects like `Satellite` and `Debris` with filter and impact analysis behaviors.
- Maintained test coverage with **JUnit**-based unit testing.

Church Website ↗   **React, Node.js, Firebase**
- Launched a responsive site featuring dynamic events, newsletter subscriptions, and automated email updates, boosting engagement among **more than 100 users.**
- Used **Firebase** for real-time data and **EmailJS API** to streamline communication.

RTrip − AI Travel Destination Finder ↗   **React, Node.js, GeminiAI, Firebase**
- Built AI-powered travel app with **GeminiAI**, Google Places, and Unsplash APIs for rich recommendations.
- Enabled secure login via **Google Auth**; built scalable backend with **Firebase + Node.js**..

Leadership & Involvement

Officer, Web/App Development Club   **1/2025 - Present**
University of Texas at El Paso   *El Paso, TX*
- Assist students by answering questions, providing guidance, and creating example projects to foster practical learning in web and app development. Organize and lead workshops to develop technical skills and encourage collaboration and networking among peers.

Skills

Technical skills: Java, JavaScript, Python, ReactJS, Node.js, FastAPI, Express, HTML, CSS, TailwindCSS, GeminiAI.

Databases & Tools: Firebase, MongoDB, PostgreSQL, AWS, Git, GitHub, Jira, Postman, JUnit.