

# GREGORY FLORES

## Software Engineer

San Antonio, TX | 830.391.6354 | [greg.jflores@gmail.com](mailto:greg.jflores@gmail.com)  
LinkedIn: [linkedin.com/in/gregjflores](https://www.linkedin.com/in/gregjflores) | Portfolio: [gregjflores.com](https://gregjflores.com)

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## PROFESSIONAL SUMMARY

Experienced Full Stack Web Developer with 4+ years of software engineering experience and expertise in React, Python, and modern web technologies. Passionate about creating efficient, maintainable code and automating workflows to improve developer productivity.

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## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, TypeScript, C, Rust, C#

**Web Technologies:** React, Next.js, Flask, HTML5, CSS3, TailwindCSS

**Databases:** PostgreSQL, SQLite, MS SQL

**Tools & DevOps:** Docker, GitLab CI/CD, Git, Visual Studio Code, JIRA

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## PROFESSIONAL EXPERIENCE

### SOFTWARE ENGINEER III

**CACI International Inc.** | San Antonio, TX | Feb 2021 - Present

#### Web Application Development:

- Secured IRAD funding and led development of a web-based application using **React** and **Flask** to streamline Test Program Set development processes, completing first phase in June 2024
- Implemented automated workflows that reduced developer documentation time by 67% (3 weeks down to 1 week)

#### System Development:

- Designed and developed graphical user interfaces using C with LabWindows/CVI for automated test equipment
- Developed wrapper libraries and APIs for test and measurement equipment.

### WI-FI TECHNICAL SUPPORT ANALYST

**Opportunity Home San Antonio** | San Antonio, TX | Sep 2020 - Feb 2021

- Provided technical support via phone, email, and web-based chat systems

## ENGINEERING INTERN

**Xenex Disinfection Services | San Antonio, TX | May 2016 - Aug 2016**

- Designed start/reset circuit for LightStrike Robots improving system reliability
- Developed data logging system using LabVIEW for Doppler cone testing and analysis

## AEROSPACE MEDICAL TECHNICIAN

**United States Air Force | San Antonio, TX | Mar 2012 - Feb 2018**

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## FEATURED PROJECTS

### Portfolio Website (Next.js)

- **Technologies:** Next.js, TypeScript, TailwindCSS, Vercel
- Terminal-themed portfolio showcasing projects and technical skills
- **Live Site:** [gregjflores.com](https://gregjflores.com)

### Weather Application

- **Technologies:** Next.js, TailwindCSS, OpenWeatherMap API, Vercel
- Responsive weather app with current conditions and 5-day forecasting
- **Live Site:** [next-weather-kohl.vercel.app/](https://next-weather-kohl.vercel.app/)

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## EDUCATION

### Bachelor of Science in Software Engineering

St. Mary's University, San Antonio, TX | Dec 2020

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## PUBLICATIONS & RECOGNITION

### CACI Champions Technical Innovation Award - CACI International Inc.

Received recognition for software development on MPAT (Multi-Platform Automated Tester) test station.

### IEEE Publications:

- ["Bringing Legacy Technical Data out of the Shadows Using Modern Digital Engineering Tools"](#) - (October 2024)
- ["Initial Experiences in Use of Model-Based Development in the ATE Industry"](#) - (November 2023)