

Esteban Retana

469-974-8814 | eretana238@gmail.com | www.eretana.com

Education

The University of Texas at El Paso (UTEP)

El Paso, TX

Bachelor of Engineering in Computer Science, Minor in Mathematics

2017-2021

Major GPA: 3.62

Experience

Applied BAS - **Niagara Developer / Software Engineer**

Dallas, TX

Oct 2022 - Current

- Led website redesign, boosting SEO and reducing page load latency by 11% using NGINX, Next.js, and React.js.
- Architected scalable ETL microservices ecosystem leveraging FastAPI and Spring Boot, enabling seamless integration of disparate enterprise accounting platforms with internal systems.
- Engineered data transformation algorithms for centralized data warehouse, improving syncing time by 18% and enabling efficient data access across organizational services.
- Pioneered development of Niagara Modules for building automation, engineering Java-based solutions for device control, equipment management, and scheduling across multiple facilities.
- Engineered Cryptographic Versioning Framework in Python, improving Java code signing efficiency by 20%.

Applied BAS - **Software Engineer Intern**

Dallas, TX

Jun 2022 - Sep 2022

- Led optimization of iOS Service Report Manager app, enhancing PDF generation with dynamic elements and resolving critical bugs, resulting in 30% improved app performance.
- Designed and implemented a high-performance mailing communication platform using FastAPI, streamlining internal and external communications when invoked by the IOS software.
- Collaborated closely with CEO and managers to propose and implement productivity-enhancing services, optimizing existing operations and improving overall efficiency.

Academic Projects

Internal penetration test logger suite for DEVCOM

Aug 2021 – Dec 2021

- Developed advanced Python-based penetration testing suite, monitoring 100,000+ objects including system processes, network activity, and tester interactions in real-time.
- Architected a robust penetration testing ecosystem using comprehensive visual modeling, including class diagrams, to guide strategic design and implementation.
- Led client demonstrations of software solutions, showcasing strong communication skills and technical expertise while working with cross-functional teams.
- As Customer Interface Manager, bridged penetration testers and engineers; co-led development of advanced pen-test logger based on user feedback and empirical data.

Skills

Programming Languages

- Proficient in: Java, Python
- Knowledgeable in: HTML/CSS, Dart, JavaScript

Platforms & Frameworks

- Proficient in: Git, React, Docker, Node, MongoDB, AWS, Firestore