LUIS GOMEZ

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⭘ https://github.com/lg0ma

Education

The University of Texas at El Paso   **Anticipated Graduation: Dec 2025**
Bachelor of Science in Computer Science; Dean's List 2022-2025   *GPA: 3.65*

El Paso Community College   **May 2022**
Associates of Multidisciplinary arts   *GPA: 4.00*

Relevant Coursework: Software Engineering and Design, Object-Oriented Programming, Computer Architecture, Operating Systems, Database Systems, Programming Language Concepts, Parallel Computing, Software Integration and V&V

Technical Skills

Languages: Python, Java, HTML/CSS, C, Bash, PHP, JavaScript, TypeScript, Assembly, MySQL, Scala

Technologies & Frameworks: Git/GitHub, React, React Native, Node.js, FastAPI, Flask, Uvicorn, Pandas, Docker, VMWare, Linux, OAuth, HTTPS/TLS, Vite, CORS, PyTorch, TensorFlow, Kaggle, scikit-learn, Jupyter Notebooks, MLflow

Experience

Clint Early College Academy   **May 2022 - May 2024**
IT Technician   *El Paso, Texas*

- Utilized technical expertise in desktop and laptop systems to diagnose, repair, and upgrade devices according to user requirements.
- Managed installation and configuration of software and hardware across classroom devices, ensuring seamless functionality and alignment with educational requirements.
- Provided timely technical support for students and faculty, resolving issues with classroom technology, network connectivity, and device compatibility to minimize disruptions to learning.

Projects

TRACE | *Kali Linux, Python, SvelteKit, Pytorch*   **August 2024 - May 2025**
https://github.com/TadeoDelaRocha/CS4311$_T RACE_D elta_s pring$2025.git

- Developed a comprehensive **security testing platform** integrating various penetration testing tools to enhance network vulnerability assessment.
- Designed and implemented a **Web Crawler** and **Web Directory Fuzzer** to efficiently identify hidden endpoints and potential attack vectors.
- Created an advanced **AI-powered password generation algorithm** that trains on specific input parameters including character types, special characters, and numbers to produce targeted brute force lists.
- Built a scalable and secure application using **Python** for backend processing and **SvelteKit** for frontend development within a **Kali Linux** environment.
- Collaborated with **DevCom** team members to enhance system integration, data security, and implement enterprise-level software development practices.

CredStalker https://github.com/armenta-i/cred-stalker.git | *React, Python, FastAPI*   **January 2023 - May 2023**

- Designed and developed a web-based credential security assessment tool that checks passwords and emails against known data breaches using **React.js** frontend and **Python FastAPI** backend.
- Implemented k-anonymity model for securely verifying credentials without transmitting sensitive data and integrated with multiple breach notification APIs.
- Created password analysis algorithms to estimate vulnerability to brute force and dictionary attacks, with custom password generation functionality.
- Built responsive UI with breach visualization features and actionable security recommendations for compromised credentials.

Health Routes https://github.com/Josix7/AI-HACK.git | *React Native, FastAPI, Google API*   **April 2025 - May 2025**

- Developed a cross-platform **mobile application** to help users locate nearby hospitals and healthcare centers using the **Google Maps Places API**.
- Integrated real-time GPS location tracking and displayed direction routes with live updates through **FastAPI**-powered backend services.
- Implemented **web scraping and API querying** to retrieve extended facility details such as contact info, website links, and user ratings.
- Enabled dynamic route generation and intuitive user interface with **React Native**, optimizing performance and accessibility across devices.