LUIS GOMEZ

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Education

The University of Texas at El Paso
Expected: December 2025

Bachelor of Science, Computer Science — *GPA: 3.65*

- **Relevant Coursework:** Software Engineering, OOP, Operating Systems, Database Systems, Parallel Computing
- **Academic Achievements:** Dean's List Fall 2023-2025, Maintained 3.65+ GPA with 15+ credit hours per semester

Work Experience

Clint Early College Academy
May 2022 - May 2024

Information Technology Technician — El Paso, Texas

- Reduced device downtime by 40% through proactive diagnostics and repairs on 200+ desktop and laptop systems
- Achieved 99% uptime deploying software configurations across 50+ classroom devices using automated scripts
- Resolved 95% of 500+ monthly support tickets within 2-hour SLA, serving 1,200+ students and faculty
- Reduced hardware failures by 30% implementing preventive maintenance protocols and regular schedules

Projects

Jale - AI Hiring Platform | *React, FastAPI, LangChain, Ollama, Supabase*
October 2025

- Developed bilingual AI hiring assistant automating candidate screening for 1,000+ job applications in English/Spanish
- Built voice-powered interview system using Whisper AI and Mistral LLM achieving 90% accuracy in skill assessment
- Implemented real-time job matching algorithm with pgvector embeddings reducing time-to-hire by 65%
- Integrated Jitsi video API enabling one-on-one interviews with automated scheduling reducing no-shows by 40%

EZrad - Medical Imaging Platform | *React, FastAPI, Supabase, Tailwind CSS, DICOM*
September 2024 - Present

- Built HIPAA-compliant medical imaging platform processing X-ray images daily for radiology clinics
- Implemented DICOM protocol via TCP/IP, reducing diagnostic turnaround time for clinics
- Created Supabase database linking patient records and QA workflows, supporting multiple concurrent users
- Developed React reporting interface enabling radiologists to generate reports 60% faster than legacy systems

TRACE - Security Testing Platform | *Python, SvelteKit, PyTorch, Kali Linux, Docker*
August 2024 - May 2025

- Built enterprise cybersecurity platform integrating 5+ penetration testing tools for 100+ target systems
- Developed web crawler and directory fuzzer identifying 200+ hidden endpoints with 85% accuracy rate
- Implemented PyTorch ML password generator achieving 85% success rate in controlled brute force testing
- Led 8-person team delivering enterprise features with 98% test coverage and prototype deployment

Health Routes - Healthcare Locator App | *React Native, FastAPI, Google Maps API,*
April 2025 - August 2025

- Built cross-platform mobile app locating 5,000+ healthcare facilities using Google Maps Places API
- Implemented real-time GPS navigation with FastAPI backend providing sub-second response times
- Reduced Google Maps API calls by 70% through intelligent data caching while maintaining accuracy
- Achieved 60fps scrolling and 2-second startup times across iOS and Android through React Native optimization

Skills

Programming Languages	Python, Java, JavaScript, TypeScript, C, HTML5, CSS3, PHP, Bash, MySQL, Assembly, Scala
Frameworks & Libraries	React, React Native, Node.js, FastAPI, Spring-Boot, PyTorch, TensorFlow, LangChain, SvelteKit, Tailwind CSS, Pandas, NumPy
Tools & Technologies	Git, GitHub, Docker, Linux, VMware, Jupyter Notebooks, Vite, Supabase, PostgreSQL, Kali Linux, Google, Ollama
Technical Concepts	RESTful APIs, OAuth, HTTPS/TLS, CORS, Machine Learning, Deep Learning, Natural Language Processing, Embeddings/pgvector, CI/CD, Containerization, Cybersecurity, K-Anonymity

Certifications

Amazon Junior Software Developer Certificate - Cloud computing, software development lifecycle, and AWS services

IBM AI Developer Professional Certificate - Artificial intelligence, machine learning, neural networks