EDGARDO PAZ-ROMERO

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Allentown, PA

EDUCATION

Temple University   Aug 2024 – May 2028
Bachelor of Science in Computer Science, GPA: 3.79   *Philadelphia, PA*

TECHNICAL SKILLS

Languages: Python, Java, C, SQL
Cloud & DevOps: AWS, Linux/Bash, Git, Docker, Akamai Cloud
Backend & Frameworks: Flask, SQLite, Selenium

PROJECTS

J-Sniff: High-Concurrency Java Proxy Server
- Architected a **high-concurrency proxy** using **Java 21 Virtual Threads** to minimize **memory overhead**.
- Engineered a custom **HTTP/1.1 parser** via **raw TCP sockets** to eliminate **external dependencies**.
- Developed a **non-blocking I/O interceptor** for **real-time traffic logging** without third-party libraries.

Wiki Race Bot
- Engineered an **AI crawler** using **SBERT semantic scoring** to predict **optimal navigation paths**.
- Optimized traversal logic to minimize **HTTP requests and search depth** via **vector-based heuristics**.
- Hardened stability with **robust retry logic** to ensure **zero-crash performance** on dynamic pages.

AWS Serverless API & CLI Tool
- Architected a **serverless backend** using **AWS Lambda** to eliminate **100% of idle compute costs**.
- Secured endpoints via **AWS API Gateway** and **granular IAM policies** to enforce **zero-trust access**.
- Developed a **Python CLI client** to consume and parse **JSON responses** for **instant terminal output**.

EXPERIENCE

Linneman Associates   Remote
Web Consultant   *Jun 2025 – Present*
- Maintain Wix sites serving **thousands daily**, ensuring **accuracy** and **99.9% uptime**.
- Implement content and design updates, improving **usability and client satisfaction**.
- Translate business needs into technical changes with **faster turnaround**.
- Troubleshoot layout and configuration to **minimize downtime** across sites.

Altheros Capital   Remote
Front-End Developer Intern   *Sept 2025 – Dec 2025*
- Engineered **modular React components** to reduce **code redundancy by 30%** and standardize **UI patterns**.
- Accelerated deployment pipelines by **50%** through **pixel-perfect translation of Figma designs**.
- Enhanced **accessibility compliance (WCAG)** by optimizing **semantic HTML** and **ARIA roles**.

Zom Technologies   Remote
Software Engineer Intern   *May 2025 – Aug 2025*
- Integrated frontend interfaces with **mock APIs** to ensure **consistent, real-time data handling**.
- Optimized **mobile usability and type safety** by migrating UI logic to **TypeScript (TSX)**.
- Streamlined workflows by collaborating with design to **reduce click-depth** for key tasks.

VOLUNTEER WORK

Tyber Medical   Bethlehem, PA
Volunteer   *Jan 2024 – Feb 2024*
- Packaged hundreds of sterile surgical components with 100% quality compliance.