Diego Avina-Escobedo

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EDUCATION

University of Texas at El Paso   **El Paso, TX**
Bachelors of Science in Computer Science   *Expected Graduation, May 2026*
- o   **GPA:** 3.6/4.00, *Dean's List, S-STEM Scholar Recipient*
- o   **Related Coursework:** Data Structures & Algorithms, Object-Oriented, Database Management, Operating Systems

EXPERIENCE

Lyft   **San Francisco, CA**
Software Engineer Intern   *May 2025 - Aug 2025*
- Enhanced the Lyft Business Support portal UX using **Typescript** and **Next.JS**, reducing submission errors by **30%** through stricter validations and clearer error messages.
- Enabled dynamic field rendering by submission reason logic using Next.JS, improving data accuracy and reducing manual review needs by **25%**.
- Built a **Python**-based public-facing backend endpoint to validate ride ids handling **400+ requests/day**, including designing **protocol buffer schemas**, implementing endpoint logic, and handling service configuration for public access.
- Integrated **IP-based rate limiting** into the **Python** backend service to prevent abuse and maintain system reliability.

Hiller Measurements   **El Paso, TX**
Software Engineer Intern   *Jan 2024 – Aug 2024*
- Led front-end development for two projects, driving user-centric features to improve navigation and overall product usability.
- Spearheaded the design and development of a complex full-stack radio frequency web app using **Next.js** and **TypeScript**, allowing users to build custom diagrams, select chassis options, and visualize component details.
- Engineered an algorithm for S-parameter (S11, S12, S21, S22) analysis, processing S2P files to calculate signal loss across diagram components and displaying the data through frequency response plots
- Organized and led meetings with cross-functional teams to integrate feedback, enhance features, and deliver an industry-leading product.

University of Texas at El Paso   **El Paso, TX**
Undergraduate Teaching Assistant   *Aug 2023 – Feb 2024*
- Assisted 50 students in learning computational complexity, algorithm development, and data structures coded in **Python**
- Designed and implemented a custom automated grading tool from scratch, significantly streamlining the grading process for current and future teaching assistants
- Reduced grading time by approximately **40%** through the implementation of the custom tester, allowing for more time on student support and mentoring

PROJECTS

SaaS Subscription Platform   **Remote**
Solo Developer   *Aug 2024 – Sep 2024*
- Developed a full-stack SaaS platform offering a subscription-based service with time-based and token-based payment models using Next.js, Tailwind CSS, and Golang for the backend

ACTIVITIES AND LEADERSHIP

Coding Interview Club   **El Paso, TX**
External Affair Officer   *Aug 2022 – Aug 2024*
- Facilitated professional development by holding career workshops, creating valuable resources, and hosting industry events.
- Organized mock interviews for students seeking to refine their coding abilities and enhance soft skills.

SKILLS

Programming: Javascript/Typescript (3 years), Python (2 years), Golang (5 months)
Frameworks: React JS, Next JS, Tailwind CSS, Flask