



Diego Córdoba Rodríguez

Computer Technology Engineering Trainee on Artificial Intelligence and Full-Stack Development

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SUMMARY

Fifth-semester Computer Technology Engineering student at Tecnológico de Monterrey, seeking opportunities to develop in Artificial Intelligence, Cybersecurity, and Full-Stack Development. Strong analytical skills, multidisciplinary teamwork, and results-oriented mindset. Foundations in programming and database management. Advanced English (C1).

WORK EXPERIENCE

RSEC, Remote

08/2024 – 03/2025

Artificial Intelligence Intern (01/2025 - 03/2025)

- Developed React-based web application, integrating OpenAI and Google Cloud APIs for real-time translation.
- Collaborated with cross-functional teams, reducing language gaps between Spanish, English, and Portuguese by 20%.
- Contributed to technical documentation and the project proposal within one month, meeting all delivery objectives.

Cybersecurity Trainee (08/2024 - 12/2024)

- Received training in the ISO 27000 standard and risk analysis, applying asset security methodologies.
- Developed and launched an educational website on cryptographic algorithms (Caesar Cipher and RSA) in 7 days, improving the team's technical understanding of security by 30%.
- Prepared user guides and technical documentation, facilitating the adoption of secure practices within the team.

PROJECTS & LEADERSHIP EXPERIENCE

Emergency Registration System, Tecnológico de Monterrey / Cuajimalpa City Hall

08/2025 – 10/2025

- Developed and deployed a React-Admin and MongoDB web application within 10 weeks for digitalizing reports.
- Implemented statistical dashboards and accessibility features, enhancing data-driven decision-making.
- Improved operational efficiency by 50% and administrative efficiency by 70%, achieving 1st place among 10 teams.

Overclocked, Academic Project, Software Construction, Expo Ingenierías 2025

01/2025 – 04/2025

- Developed a 2D competitive video game to collect player statistics for behavior and adaptability analysis.
- Applied HTML, CSS, JavaScript, and MySQL, implementing UI/UX design, Scrum, and version control (Git).
- Awarded 2nd place at Expo Ingenierías 2025 among digital prototypes across all engineering disciplines.

Solar Panel Cleaning with Electric Fields, Simulation, Expo Ingenierías 2024

01/2024 – 05/2024

- Built a MATLAB simulation model to analyze dust particle movement on solar panels using electric fields as a sustainable cleaning alternative.
- Implemented Euler's method to compute particle trajectories based on mass, charge, and gravity.
- Presented at Expo Ingenierías 2024, earning 3rd place in the Digital Prototypes category.

EDUCATION

Tecnológico de Monterrey, Mexico City, Mexico

Expected Graduation 05/2027

- BS in Computer Science – Computer Technology Engineering – GPA: 96.86
- Relevant Courses: Computer Security, Advanced Algorithm Design, Software Requirements Analysis.
- Awards: Academic Talent Scholarship, 2nd Place Expo Ingenierías 2025, 3rd Place Expo Ingenierías 2024.
- Certifications: Cybersecurity Fundamentals – Google, Python Programming – Coursera, English C1 – Pearson.

SKILLS

- *Languages:* Advanced English C1 – Pearson, Spanish – Native
- *Computer Languages:* Python, JavaScript, TypeScript, C++, MATLAB, R, SQL, HTML, CSS, JSX.
- *Tools:* React, Git, GitHub, MongoDB, Excel, Power BI, Adobe Photoshop, Adobe Premiere Pro.
- *Hard Skills:* Full-Stack Development, Artificial Intelligence, Cybersecurity, Data Analysis, Version Control.
- *Soft Skills:* Communication, Collaboration, Critical Thinking, Responsibility.