

SANTIAGO AMIR RODRÍGUEZ GONZÁLEZ

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Professional Profile

Robotics and Digital Systems Engineering student at Tecnológico de Monterrey, with high-level technical training in industrial electromechanics. Passionate about robotics and artificial intelligence, I seek to join as a technician or assistant in automation, maintenance, or mechatronic development projects. I stand out for my proactivity, adaptability, and skills in AutoCAD design and solving complex problems.

Academic Background

Tecnológico de Monterrey, Puebla Campus

- B.S. in Robotics and Digital Systems Engineering (IRS)
- Start: 2024 – Present, GPA: 91.54/100

CONALEP 252 Orizaba

- Professional Technical High School Degree in Industrial Electromechanics (2021 – 2024)
 - Final GPA: 9.9/10 – Recognitions for outstanding GPA in several semesters
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Professional Experience

Tutum Pay (Startup)

Intern – 07/07/2025 – Present

Collaborating as an intern at Tutum Pay (startup) from 07/07/2025 to date.

- Handling Amazon Web Services with DevOps cycle management for best practices.

PEMEX Escamela, Veracruz

Intern – Administrative and Design Area (2022)

- Manage technical documentation and support the coordination of logistics for industrial maintenance projects.
 - Prepare and update drawings in AutoCAD, optimizing design processes.
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Highlighted Projects

- Youth Outreach Lead – Hack Puebla 7.0 (August 16–17, 2025)

Participation in the organizing committee of the seventh edition of Hack Puebla at Tecnológico de Monterrey, Puebla Campus, the largest edition with more than 180 students from all over Mexico. Led the outreach strategy, generating connections with student communities and participants, contributing to the growth of the event and fostering innovation and collaboration.

- Vehicle adaptation for person with disability (2023)

Design and installation of accessibility mechanisms, improving user autonomy and safety.

- Electrohydraulic and electroneumatic circuits (2024)

Implementation of control systems for industrial applications, integrating sensors and basic PLCs.

Recognitions

- Winner of Robotics Week at Tecnológico de Monterrey (June 2025)
 - Certificate of the QPR Suicide Prevention Gatekeeper program (May 2025)
 - Attendance at Tec Science Direct, an academic event at Tecnológico de Monterrey (2025)
 - GSL Classroom Badge from Tecnológico de Monterrey & Universidad CEU San Pablo (2024)
 - PTB Certification in Industrial Electromechanics (2024)
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Technical Skills

- Software and design: AutoCAD (intermediate-advanced), drawing reading and interpretation
 - Electromechanics: Electricity, electronics, and motor control; diagnosis and preventive maintenance
 - Manufacturing: Operation of lathe, milling machine, and MIG/TIG welding
 - Programming: Control logic, C++, CSS, Tailwind v4, Python, MySQL, TypeScript, HTML, and JavaScript
 - Technologies: Visual Studio (VS), React, Vite, Git, GitHub, cloud computing, AWS
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Languages

- Spanish: Native
- English: B2 (intermediate)
- German: A2 (basic)