

Alejandro Martínez Rivera.

Computer systems engineer.

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Summary.

Recent graduate in Computer Systems Engineering with experience in full-stack development for desktop and web software. I have participated in national and international programming contests. Skilled in database management, documentation, software testing, and design with UML diagrams, with knowledge of agile methodologies like SCRUM. I seek to contribute as a full-stack developer, creating solutions that optimize processes for individuals and businesses while sharing my knowledge and learning from other professionals.

Skills.

- Team work.
- Time management.
- Adaptability.
- Continuous learning
- Leadership.
- Critical thinking and analysis.
- Creativity.
- Effective communication.

Technologies and tools.

- PHP.
- JAVA.
- Visual Basic (Framework .NET).
- Html and CSS.
- Git and GitHub.
- MySQL and SQL Server (Microsoft).
- Power BI.
- Power Apps.
- Power Automate.
- SharePoint.
- Bootstrap.
- Tailwind.
- React JS (Vite).

Experience.

• Caterpillar | Ciudad Acuña, Coahuila

Quality Inspector "C".

April 2024 – Present

Inspection of metal parts using CMM with robotic arms ("FARO") to perform tests for flatness, part location, cylindricity, circle diameters, and more.

Software Developer Intern

October 2023 – April 2024

Developed enterprise applications such as marked drawings with expiration notifications, part traceability, and production and safety goal tracking using Power Apps and Power Automate. Created reports with Power BI and managed data in Excel and SharePoint.

• Toter | Ciudad Acuña, Coahuila

Software Developer Intern

December 2022 – September 2023

Developed the "Toter Detail Shipment" desktop software for cargo transportation between the company's factories in Ciudad Acuña, using Visual Basic, MySQL database, and version control with Git and GitHub.

Education.

Bachelor's Degree in Computer Systems Engineering.

August 2019 -Jun 2024

Instituto Tecnológico Superior de Ciudad Acuña, Coahuila, Mexico.

- 5th place in the 8th National Programming Contest in San Pedro, Coahuila.
- 5th place in the International Programming Contest at Instituto Tecnológico Superior de Ciudad Acuña.
- Participated in the ICPC International Programming Contest in San Marcos, Texas.
- Graduated as the top student in Computer Systems Engineering.
- Developed the intelligent psychology system "Personality Tests" for patient analysis.

Languages.

Spanish: native.

- English: English: B1 Level (Certified by the University of Oxford)

Certifications.

- SQL Certification.