

# Alejandra Paola Ramírez González

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## SUMMARY

Proactive Engineering candidate with strong values and quick learning ability. I have a unique technical profile in Industrial Engineering (Lean Process Optimization), Artificial Intelligence (LLM Training), and Cybersecurity. Excellent problem-solving skills and analytical mindset. I am looking to apply this combination of skills in high-tech roles to drive innovation and efficiency.

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## SKILLS

### Transferable skills

Leadership and Coordination, Problem Solving, Critical Thinking, Teamwork and Collaboration, Proactivity and Self-direction, Quick Learning.

### Technical skills

*Technology and Data:* Python, C, AI Training (LLM Trainer), Cybersecurity (CCST), Networking (CCST), Wireshark.

*Analysis and Processes:* Advanced Excel and Macros, Lean Manufacturing Tools, Core Tools (FMEA/Flow Chart), Minitab.

*Design and Software:* AutoCAD, SolidWorks.

*Electromechanical Maintenance:* Diagnosis and repair of equipment, reading and interpretation of electrical and mechanical diagrams, preventive and corrective maintenance.

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## WORK EXPERIENCE

### TCL México - Continuous Improvement and Lean Leader

12/2025 -

- Conducted time and motion studies, achieving improved operational efficiency.
- Implemented line balancing initiatives to reduce bottlenecks and increase output.

### Outlier - LLM Trainer Freelance

11/2024 - 09/2025

- Provide expert feedback to optimize AI solutions for high school-level math problems, improving model accuracy.
- Create complex prompts to be solved by Artificial Intelligence (AI).

### BOYD Corporation - PRDE Quote Jr.

05/2022 - 12/2022

- Quote new production projects.
- Create and update Bills of Materials (BOM) and Bills of Process (BOP).

### BOYD Corporation - Engineering Process Technician.

08/2021 - 05/2022

- Lead the transfer of projects from Atlanta, GA, to Juárez, MX, ensuring operational continuity.
- Design the plant layout.
- Review and create work instructions.
- Solve process problems through the application of Lean Manufacturing tools.
- Participate in the creation of Failure Modes and Effects Analysis (FMEA) and Flow Charts.
- Train operators for the pilot run.
- Provide solutions for quality non-conformities.

### Pegatron México - Production Management Assistant.

11/2020 - 08/2021

- Update training records for operators.
- Prepare daily and weekly production reports for presentation to clients.
- Audit the 5S program.

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## EDUCATION

### Universidad Abierta y a Distancia de México (UnADM)

01/2025 -

Candidate for Bachelor's Degree in Software Engineering

### Instituto Superior de Ciencias de Ciudad Juárez (ISCCJ).

05/2021 - 12/2022

Candidate for Bachelor's Degree in Industrial Engineering.

## TEACHING EXPERIENCE

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**Content creator - Brilliant.org** 12/2014-07/2016

- Design mathematical problems that require ingenuity to solve.
- Write educational articles on various math topics.

*Notable Achievement:* My problems and solutions were on the "most views" list in 2015 and 2016.

**Math Trainer - ONMAS Chihuahua** 10/2012 - 04/2016

- Teach selected topics for math olympiads (Number Theory, Combinatorics, Algebra, and Geometry).
- Academically coordinate the math olympiads.

*Notable Achievement:* I was selected in 2015 to be part of the design team for the National Mathematics Olympiad in Mexico.

## AWARDS, SCHOLARSHIPS, AND CERTIFICATIONS

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### Technical Certifications

- **Cisco Certified Support Technician (CCST) Networking**, Cisco, January 2026, ID: FGQy-XaBn.
- **Cisco Certified Support Technician (CCST) Cybersecurity**, Cisco, November 2025, ID: F6NU-XaBb.
- **CORE TOOLS**, Consulting SPC, May 2022.
- **Electromechanical Technician**, CAPTEC, 2021.

### Courses and Professional Development

- **Aspire Leaders Program**, Aspire Institute, March 2025.
- **Python for Data Science, AI & Development**, IBM, June 2022, ID: XENVKL7BMB3X.
- **Excel Basics for Data Analysis**, IBM, May 2022, ID: QFK5S929SLS5.

### Awards

- **University of Waterloo President's Scholarship**, University of Waterloo, Ontario, March 2016.
- **Brilliant.org Waterloo Engineering Undergraduate Scholarship**, Waterloo ON, March 2015.

## LANGUAGES

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- Spanish (Native Proficiency).
- English (C1).  
[EF SET Certificate \(August 2024\).](#)