



PROFESSIONAL PROFILE

I am a versatile and goal-oriented Mechatronics Engineer with expertise in language teaching, engineering research, and AI system optimization. Passionate about integrating innovative solutions to address complex challenges, I thrive in multidisciplinary teams and dynamic environments. With a strong foundation in technical knowledge, cultural competence, and communication skills, I aim to contribute to impactful projects that merge engineering with global needs.



[Portfolio](#)



[Linkedin](#)



andrescorredor345@gmail.com



Colombia

LANGUAGES

- Spanish (Native)
- English(C1)
- Portuguese (A2)

SKILLS

- CAD/CAM Design (SolidWorks, FlatCAM)
- Microcontroller Programming (PIC, Arduino)
- Digital & Analog Electronics | PCB Design
- Automation (TIA Portal) | MATLAB | Proteus
- Manufacturing: Welding, 3D Printing, CNC, Wood & Metal Work
- Project Leadership & Management
- Effective Intercultural Communication
- Technical & Educational Research
- Educational Content Design

ANDRÉS CORREDOR

MECHATRONICS ENGINEER

RELEVANT EXPERIENCE

Project Consultant in Spanish for Optimization of AI Systems Outlier, USA (Remote) | 2024

- Collaborated in optimizing AI language models in Spanish through reviewing, adapting, and refining AI-generated responses.
- Enhanced content accuracy, fluency, and relevance for diverse use cases.
- Analyzed content for linguistic, cultural, and stylistic alignment, providing detailed feedback for system improvements.

ELE Teacher (Spanish as a Foreign Language) and Content creator Voxy, USA (Remote) | 2024

- Designed and delivered interactive lessons for learners (A1 to B2), focusing on speaking, listening, reading, and writing skills.
- Integrated cultural insights into lessons to enhance students' understanding of Hispanic culture.
- Leveraged multimedia tools to create engaging and personalized learning experiences.
- Evaluated student progress and provided constructive feedback to help achieve learning goals.

Workshop Instructor in Engineering Freelance | 2024

- Designed and facilitated interactive workshops on robotics, electronics, and mechanics.
- Created instructional materials, hands-on activities, and demonstrations tailored to various skill levels.
- Encouraged teamwork and creative problem-solving through collaborative projects and challenges.

Researcher

Universidad de Boyacá, Colombia | 2022-2024

- Conducted interdisciplinary research projects in engineering, emphasizing innovative problem-solving.
- Collaborated across teams to analyze data, develop methodologies, and present findings effectively.
- Authored technical reports and contributed to advancing knowledge in applied engineering.

EDUCATION

Bachelor's in Mechatronics Engineering

Universidad de Boyacá, Colombia | 2020 – 2026 (Expected)

- Merit-based Research Scholar (2023)
- Highest academic GPA in 2023
- Lead member of the SIROM research group

ELE Teaching Specialization (150h)

European University Miguel de Cervantes, Spain | 2023

RECOGNITIONS

- Outstanding Volunteer Award – 2024
- Academic Merit Research Scholarship – 2023
- Leadership in extracurricular clubs (dance, sports, languages)