



# MANUELA RODRIGUEZ

CIVIL ENGINEER

07/08/1999

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 Portfolio Link

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## ABOUT ME

Passionate civil engineer focused on challenges, continuous learning, and professional growth. Graduated with the highest GPA in my class, with experience in planning, design, and management of infrastructure projects.

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## PROFESSIONAL EXPERIENCE

### Planning Engineer

COARCO S.A.

August 2024 - Now

#### Planning of Wind Farm La Rinconada, Olavarría Buenos Aires Province

- Developed and implemented initial Baseline Planning for the wind farm project.
- Monitored and controlled project progress, ensuring milestone achievement.
- Managed and optimized resource allocation to meet project goals within set timelines and budgets.

### Technical Office Engineer

COARCO S.A.

October 2023 - Now

#### Expansion of the Scrap Yard for a Major Steel Mill, Bragado, Buenos Aires Province

- Designed water, gas, and oxygen pipeline layouts throughout the project site.
- Engineered water and sewer systems in three steel-frame buildings.
- Carried out foundation plate engineering for the industrial sector.
- Enhanced project development using tools like Revit, AutoCAD, and Robot Structural Analysis for design and structural analysis.

#### Expansion of Ruta Provincial 11, Buenos Aires Province

- Conducted structural calculations for 8 bridges, coordinating with superstructure and beam engineering using BIM software.
- Generated technical documentation and automated rebar cutting and bending schedules.
- Designed over 20 transverse culverts, including technical documentation and automated rebar schedules with BIM.
- Supervised weekly tasks using Microsoft Project and created 3D visualizations with Revit to track project progress.

#### Engineering at Vientos de Olavarría Wind Farm, Buenos Aires Province

- Designed culverts using Global Mapper for precise watershed delimitation.
- Provided support in the validation of wind turbine base and platform engineering.

### Construction Assistant

Mariana Martin Studio

December 2021 - March 2022

### Research Intern – Teaching Assistant in Structures I

Universidad Nacional de La Plata

August 2020 - April 2023

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**SKILLS**

- Revit
- Robot Structural Analysis
- Microsoft Project
- Excel (Advanced) - Microsoft Office
- AutoCAD, ArchiCad
- SAP2000

**LANGUAGES**

- Spanish (Native)
- English (Advanced)
- German (Basic)

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**EDUCATION**

Bachelor of Civil Engineering - Universidad Nacional de La Plata  
March 2018 - September 2023

**RECOGNITIONS**

Highest GPA in the Class of 2023