

FRANCISCO FERRO DESPRES

CIVIL ENGINEER | BIM SPECIALIST | HYDRAULIC SPECIALIST

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PROFESSIONAL PROFILE

Civil Engineer specialized in Urban Hydraulics and BIM Modeling, with extensive experience in water and urban infrastructure projects for public agencies, private companies, and multilateral organizations.

- Expert in hydrological-hydraulic modeling (HEC-RAS, SWMM, HydroBID Flood).
- International experience in BIM coordination and Project Management.

PROFESSIONAL EXPERIENCE

CONSULTANT IN HYDROLOGICAL AND HYDRAULIC MODELING OF WATERSHEDS

Inter-American Development Bank – Water Authority (Remote from Argentina) | Jul 2024 - Present
Hydrological data assessment and hydrologic-hydraulic modeling of designated basins in Buenos Aires Province.

FREELANCE CIVIL ENGINEER | BIM SPECIALIST | HYDRAULIC SPECIALIST

EFFE Ingeniería (Remote from Argentina) | Sep 2016 – Present

EFFE Ingeniería is my personal brand and independent practice, where I provide services in:

- Design, calculation, BIM modeling and verification of stormwater, sewage, and potable water networks (residential and public).
- BIM coordination using Navisworks.
- Hydrological and hydraulic assessments | Flood mitigation | Surface analysis | Quantity take-offs and cost estimates | GIS-based processing.

BIM SPECIALIST | JOB CAPTAIN

ENG BIM – USA (Remote from Argentina) | May 2022 – Jul 2024

- BIM modeling for U.S. civil infrastructure and MEP projects | Coordination using Navisworks.
- Standards creation and project management responsibilities.

CIVIL ENGINEER | HYDRAULIC SPECIALIST

Ministry of Infrastructure and Public Services – Buenos Aires, Argentina | Sep 2016 – Jun 2022

- Design, calculation, BIM modeling, and verification of stormwater drainage network projects.
- Hydrologic and hydraulic assessments | Flood mitigation | Surface analysis | Quantity take-offs and budgeting | GIS processing.

BIM MODELER

EDSA Inc. – USA (Remote via Better Pros, Uruguay) | Feb 2021 – Dec 2021

- Technical support for architects, designers, and landscape planners, and updates in InfraWorks for the company's flagship project: the "Qiddiya Project" in Saudi Arabia. Technical support to architects, designers, and landscape architects.

EARLY EXPERIENCE

ABL S.A. & NIETO S.R.L | Feb 2016 – Sep 2016

- Technical support to construction managers in coordination, supervision, logistics, and on-site presence.

EDUCATION

MASTER IN CONSTRUCTION PROJECT MANAGEMENT + PMP CERTIFICATES

EDITECA, Madrid (Remote from Argentina) | 2024-Present

- Focused on Project Management and PMBOK guidelines (Project Management Institute).

CIVIL ENGINEER

National University of La Plata – Buenos Aires – Argentina | 2009-2016

- Specialization in roads, highways, airports, and special pavement materials.

SOFTWARE

✓ CIVIL3D	✓ HEC-RAS	✓ NAVISWORKS
✓ AUTOCAD	✓ HEC-HMS	✓ INFRAWORKS
✓ REVIT	✓ EPASWMM	✓ REVU BLUEBEAM
✓ QGIS	✓ STORM AND SANITARY ANALYSIS	✓ POWER BI
✓ ARCGIS PRO	✓ SKETCHUP	✓ DYNAMO

SOFT SKILLS

✓ Leadership	✓ Teamwork	✓ Conflict Management
✓ Critical Thinking	✓ Time Management	✓ Creativity
✓ Communication	✓ Service Orientation	✓ Standardization
✓ Proactivity	✓ Continuous Learning and Adaptability	
✓ Training: “Leaders of the Future” by ENG BIM (2023).		

OTHER SKILLS AND LANGUAGES

✓ Python: Intermediate	✓ English: B2
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COURSES & CERTIFICATIONS

- **Stakeholder and Communication Management** | Editeca | 20 hrs – Sept 2025
- **Cost and Resource Management** | Editeca | 20 hrs – Sept 2025
- **Schedule Management** | Editeca | 25 hrs – June 2025
- **Project Management in the AECO Sector** | Editeca | 25 hrs | Mar 2025
- **Leadership and Soft Skills** | Editeca | 20 hrs | Feb 2025
- **Navisworks BIM Coordination** | Editeca | 30 hrs | Feb 2025
- **BIM Manager** | Editeca | 40 hrs | Jan 2025
- **Fundamentals and Reference Framework for Project Management (PMBOK)** | Editeca | 30 hrs | Sep 2024
- **Transform AEC Projects with GIS and BIM** | ESRI | 4 weeks | Oct 2022
- **Advanced GIS with Applications in Hydraulics** | IPAP | 12 hrs | Nov 2017
- **Introduction to Geographic Information Systems** | IPAP | 12 hrs | Oct 2017