

# Federico Albonico

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## Abstract

Born in Morbegno July 13, 1987. I'm an engineer trained in architectural design, qualified to accomplish and overlook the quality of the entire building process, both for new constructions and renovations. I'm a figure able to manage the relationship between the settlements and the environment, capable of performing the tasks required by the European Union for architectural design, urban planning and management of the construction process.

## Abilities

- Design constructions and infrastructures from an architectural, technological and environmental point of view.
- Design and check structural components of buildings.
- Perform topographical and architectural surveys.
- Analyze the state of deterioration of a construction and evaluate the recovery techniques.
- Act as a construction site manager.
- Use technological instruments suitable to architectural purposes.

## Professional experiences

**Pharmaplan - Frankfurt, Germany** <https://www.pharmaplan.com/en/>

**July 2020 – Present** Digital Engineering Building - BIM Modeler

BIM Database implementation from the Conceptual Design until Facility Management activities.

- Modelling in Autodesk Revit according to company's quality standards.
- Responsibility for compliance with BIM workflows.
- Maintaining and managing Revit models in the various service phases for the respective trades (TGA, process, architecture, electrical).
- Checking of all work for completeness and correctness.
- Use of BIM software and tools.

**New System Ltd - Saint John's, Antigua and Barbuda** <https://www.windwardantigua.com/>

**August 2018 – July 2020** Technical coordinator and supervisor - Architecture/engineering development

Technical coordination and supervision for general contractor in \$5+ million private properties and hospitality projects on Jumby Bay island.

- Management of sub-contractors and on-site technical assistance.
- Development of architectural designs hand in hand with the executive architect.
- MEP and Structural design development hand in hand with the executive engineers.
- Periodical meetings with suppliers and interior designers to coordinate progress in the construction.

**Federico Albonico - Gravedona, Italy**

**June 2017 - July 2018** Freelance project architect and engineer

BIM design and development of small-scale projects such as single-family house enlargements and renovations.

**Arango Arquitectos - Panama City, Panamá** <http://arangoplus.com/>

**September 2016 - May 2017** Project architect and BIM technician

**GOYANES** luxury private villa

**PQTV** residential building of 19 luxury beach apartments

- Starting from a preliminary architectural design, lead the technical development of the project, according to the Panamanian standards (structure, MEP, architecture), throughout the coordination of technical specifications coming from external engineers and the original design, under the BIM platform.
- Cope with the planned production schedule, dealing both with the firm's standard of quality and the client's requirements.
- Be responsible for the whole production process of the plan, as well as for the technical incompatibilities within the different disciplines involved.

**Edward McGrath & Asociados - Panama City, Panamá** <http://www.emcgrath.net/>

**October 2014 - September 2016** Technical architect

**Ilo Towers** residential complex of 640 apartments, 5 towers 23 floors each, social area with pool and football field, parking

**Athas Tower** residential tower of 324 apartments, 34 floors, social area with pool, parking

**Olympia** residential urbanization of 400 apartments, 10 condos of 4 floors each, social area with pool and facilities

- Starting from a preliminary design, lead the technical development of the project, according to the Panamanian standards (structure, MEP, architecture), throughout the coordination of information coming from external engineers and the original design.
- Manage the timing of the plan production process, in order to comply with the client's requirements, as well as with the local construction regulation.
- Periodic reunions with all the professionals involved in each project, both in the design and constructive phase, dedicated to problem-solving and coordination.

Active participation in company's transition from AutoCAD to Revit.

Sara Battelli & Partners - Panama City, Panamá <http://www.sarabattelli.com/>

**September 2014 - October 2014** Junior architect

- Architectural and interior design from the concept scale up to the executive detail.
- Marketing and promotion analysis related to architectural outcomes.
- Technical assistance and drawing.

Studioquattro, tutor Arch. Luigi Conca - Gravedona, Italy <http://www.studioquattro.it/>

**July 2014 - August 2014** Internship

- Architectural projects supervision and development, from the concept scale up to the executive detail.
- Residential design focused on exclusive villas in the area of Lake Como.
- Technical assistance and drawing.

ARDEA, tutor Prof. Eng. Arturo Montanelli - Lecco, Italy <http://www.arturomontanelli.com/>

**November 2013 - July 2014** Internship

- Design and prepare, in team with chief designer, engineering designs, plans, drawings, specifications, and cost estimates, regarding different projects, such as:
  - Urban scale redevelopments;
  - Green areas in civil engineering work sites;
  - Buildings for the public and the private sectors;
  - Redevelopments of existing buildings;
  - Interior design layouts;
- Complete overview of the design process and its management, from the concept scale to the executive of detail.
- Understanding of all the actors involved in the drafting of a project, whether public or private.

Private villa - Gravedona (CO), Lake Como

**October 2010 - December 2013** Chief designer, building site supervisor and interior designer support

- Collaboration with the designer and the project manager of a private villa on Lake Como.
- Active participation in the entire constructive process, from the stage of excavation to the stage of finishing and furnishing of the building.
- Teamwork with the chief interior designer, from the preliminary planning stage to the final assessment of the design solutions.
- Contact with the construction company in charge, with the plant engineers and the other workers involved.

## Education

Autodesk authorized academy Cad Miami, Miami, Florida, post-grade school

**August 2018** Autodesk certified diplomas on Revit Arch (15 hrs), Revit Structure (32 hrs), Revit MEP (30 hrs), Revit Families (32 hrs)

University Carlo Cattaneo, Varese, Italy, department of civil engineering

**September 2014** Registration to the national register of environmental and civil engineers

Politecnico of Milan, Milano, Italy, department of architectural engineering

**October 2006 - October 2013** Master degree

- Graduation thesis: "Shipyard Abbate, redevelopment and conversion plan of the urban core of Azzano" (evaluation 9/10). Supervisor Prof. Eng. Arturo Montanelli.
- Attendance of the seventh academic semester at Monterrey Institute of Technology and Higher Education, Mexico (Monterrey campus). Classes in Spanish and English.

Secondary school institute P. Nervi, scientific and technologic high school

**September 2001 - July 2006** High school degree

- Attendance of the fourth academic year at the institute of higher education Naples Central High School, USA (New York). U.S. State of New York graduated (year 2005). Lessons in English.

## Skills

**Microsoft Office Suite:** advanced

**Autodesk AutoCAD:** advanced

**Nemetscheck Allplan:** intermediate

**Adobe Photoshop:** intermediate

**Autodesk Revit:** advanced

**Autodesk Civil 3D:** basic

**Autodesk Navisworks:** basic

## Languages

**Italian:** native

**English:** fluent (TOEFL iBT test, total score 103/120)

**Spanish:** fluent (CERVANTES certification level B2 - Avanzado)

**German:** basic (A2)

## Extras

**Available to relocate and travel.**