

Pedro E. Pérez González

Building Engineer

BIM Manager



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Work Experience

06/2022 - Ahora **BIM Manager**
Bassal Engineering | bassal.es

Tasks

- Modelling, coordination, and project management utilizing Revit and Navisworks.
- Formulation of modelling strategies.
- Ongoing support for models during construction meetings.
- Creation of BIM documentation (BEP, Modelling Guides, Best Practices...)
- Process optimization.
- Design and implementation of specific tools.
- Administrative management tasks.

Goals

- ✓ Implementation of BIM methodologies for on-site decision-making.
- ✓ Collaboration in the creation of plugins (Python and .NET).
- ✓ Company website development.
- ✓ Social media development.
- ✓ Development of HR protocols to streamline employee onboarding and work production.
- ✓ Process improvement in model development through the creation and adherence to proposed standards.

Sector Logistics and Industrial Engineering

03/2020 – 06/2022 **BIM Specialist**
BIM6D Consulting & Performance | www.bim6d.eu

Tasks

- Modelling, coordination and project management using Revit and Navisworks.
- Development of plugins for Revit through C#.
- Simulation of occupant flow through Pathfinder.
- Support for VR projects with the creation of environments.

Goals

- ✓ Development of new business models through simulations.
- ✓ Strengthening brand image in collaborations with external companies.

Sector BIM Consulting

10/2018 – 03/2020 **BIM Tecnician | MEP**
Ingeniería Valladares | <http://www.i-valladares.com/>

Tasks

- Modelling, coordination and project management using Revit and Navisworks.
- Preparation and modification of MEP families according to needs.
- Creation and modification of Revit API macros based on C#.
- Definition of modelling strategies adapted to each project.

Goals

- ✓ Creation of new workflows for communication between model data and calculation data.
- ✓ Renewal of element library for model optimization.

Sector MEP Engineering

09/2017 - 06/2018 **BIM Research**
UCLM-EPCu | www.uclm.es/cuenca/epc

Tasks

- Tasks to support students regarding the use of BIM tools through the EPCu BIM classroom initiative (twitter: @aulaBIM)
- Research on the application of BIM methodology in the AEC sector.

Goals

- ✓ Students satisfied with learning their knowledge.
- ✓ Collaboration to launch a space where students and teachers could share doubts and knowledge in relation to the BIM methodology.
- ✓ Implementation of social networks of the CuBIM group and BIM_Lab of the ITCT.

Sector Building Engineering

07/2014 - 09/2014 **Work experience**
Joasra S.L. | www.joasra.es

Tasks

- Site Manager Apprenticeship

Goals

- ✓ Survey of a BIM model using Revit for the quantification of materials.

Sector Construction

07/2012 - 09/2021 **Development of BIM models for expert reports**
Enrique Pérez del Moral | Perito tasador de seguros

Tasks

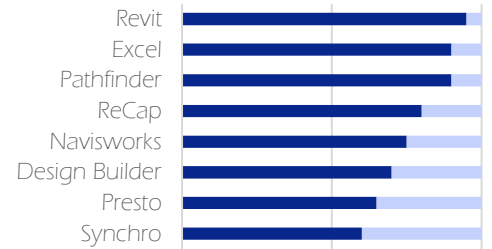
- Development of BIM models for damage visualization and quantification.

Goals

- ✓ Development of BIM models for damage visualization and quantification.

Sector Valuation and appraisal

Software Skills



Recognitions and Awards

- 1st Prize** (Best Final Degree Project, General Council of Technical Architecture of Spain)
- 1st Prize** (International BIM Contest Valladolid 2017)
- Outstanding Student Recognition** (Universidad de Castilla-La Mancha)
- 2nd Prize** (International BIM Contest Valladolid 2017)

Publications

- EUBIM 2022**
Damage assessment using a mathematical model integrated into a web tool
OTAL SIMAL, Rafael; PÉREZ GONZÁLEZ, Pedro Enrique
- EUBIM 2021**
Web tool for managing the state of conservation of buildings and its connection with BIM models
OTAL SIMAL, Rafael; PÉREZ GONZÁLEZ, Pedro Enrique
- EUBIM 2019**
Characterization and monitoring of the state of conservation of buildings using virtual models and generalist BIM modeling tools such as Revit
GONZÁLEZ ARTEAGA, Jesús; PÉREZ GONZÁLEZ, Pedro Enrique; VALVERDE CANTERO, David
- APEGA 2019**
Documentation and parameterization of pathologies in BIM models with the Revit application
GONZÁLEZ ARTEAGA, Jesús; PÉREZ GONZÁLEZ, Pedro Enrique; VALVERDE CANTERO, David
- EUBIM 2017**
Teaching experience of integration of BIM methodology for the BIM Valladolid 2016 Contest
ALFARO GONZÁLEZ, Jesús; CAÑIZARES MONTÓN, Josemanuel; MARTÍNEZ CARPINTERO, Jesús Ángel; PÉREZ GONZÁLEZ, Pedro Enrique; VALVERDE CANTERO, David
- Spanish Journal of Building Information modelling**
BIM Implementation Strategy in a Degree in Building Engineering. Experiences and Proposals of the Polytechnic School of Cuenca
ALFARO GONZÁLEZ, Jesús; CAÑIZARES MONTÓN, Josemanuel; MARTÍNEZ CARPINTERO, Jesús Ángel; PÉREZ GONZÁLEZ, Pedro Enrique; VALVERDE CANTERO, David
- APEGA 2016**
The graphic power of BIM as an analytical tool in the subject of technical projects
CAÑIZARES MONTÓN, Josemanuel; VALVERDE CANTERO, David; PÉREZ GONZÁLEZ, Pedro Enrique
- EUBIM 2016**
BIM implementation at the Polytechnic School of Cuenca, pilot experience in technical projects 15-16
VALVERDE CANTERO, David; CAÑIZARES MONTÓN, Josemanuel; MÁRQUEZ VEGA, Diego; PÉREZ GONZÁLEZ, Pedro Enrique; PESO PASCUAL, Roberto Joaquín

Interest

Automation | Big Data | Blockchain | Virtual Reality | Augmented Reality | Mixed Reality | Computer Programing | Gamification | UX

Languages

Spanish (Native) | English (Intermediate)