

ANA GABRIELA VILLAMIZAR RODRIGUEZ

BIM Designer

+34600828335 @ annve22.16@gmail.com
linkedin.com/in/ana-villamizar-b4271321 https://www.avrportfolio.com/
Madrid

EXPERIENCE

BIM Designer 05/2022
Freelance California

- Led telecommunications management, 3D modeling, and design collaboration using Revit cloud models for data centers across multiple international locations, including Germany, Madrid, Barcelona, Lisbon, France, Brazil, and Mexico.
- Implemented shared parameters and schedule management to streamline project workflows and ensure the timely delivery of construction details and ICT plans.
- Exported and uploaded files to BIM360, enhancing team collaboration and data accessibility.
- Developed and managed layouts of ICT plans for various project phases, ensuring compliance with project BEP manual, specifications and standards.

BIM Modeler 05/2022 - 07/2022
Master Distancia, SA, internship for Savills Madrid, MD

- Collaborated on 3D modeling with central models, created families and shared parameters, managed schedules, and developed construction details and illustrations for commercial, industrial, and residential projects across various phases

BIM Modeler 02/2021 - 02/2022
IDESIE Bussiness School Madrid, MD

- International Airport Project in Lima, Perú
- Collaborated on phased modeling, adhering to BEP standards, and improved project organization by codifying views, elements, and schedule tables.
- Created detailed layouts of basic project plans and drawings, ensuring accuracy and adherence to project standards.
- Generated central models with georeferenced links using shared coordinates, enhancing spatial accuracy and coordination.
VIP Lounges Project in Barajas, Madrid
- Collaborated on modeling with central and local models, created families, shared parameters, and managed schedules.
- Developed detailed construction plans and illustrations for VIP rooms in both basic and construction project phases.
Industrial Buildings Project in Getafe, Spain
- Generated central models for architecture and structure, and created layouts using prefabricated elements.
Water Treatment Plant Project, Canada
- Collaborated using BIM 360 to create fabrication drawings for structural pipe supports.
- Enhanced project efficiency by improving the coordination of local models and fabrication drawings.

Assistant to Project Manager and designer 06/2018 - 01/2021
IDC Servicios Generales Corp Various, Puerto Rico

- Designed and generated 3D models with architectural plans for market, church, and residential renovations.
- Created 'as built' models for industrial projects, facilitating future maintenance.
- Prepared daily, weekly, and monthly progress reports using Raken, improving project tracking by 15%.
- Supervised construction projects, assisted in two-week look ahead schedules, and ensured timely task completion.

Graduate Researcher's Assistant 01/2018 - 05/2019
UPRRP San Juan, Puerto Rico

- Prepared databases for statistical processing of sustainability indicators for 11Km of Juan Ponce de León Avenue.
- Created detailed drawings and diagrams of 12 study areas.
- Conducted visits to study areas for documentation and analysis.
- Assisted in developing sustainability indicators.
- Supported the development of sustainable proposals.
- Translated research paper proposals from Spanish to English.



SUMMARY

Architectural graduate from the University of Puerto Rico Rio Piedras Campus, Puerto Rico with experience in design and built projects. With recent experience in BIM projects. The projects range from industrial, commercial and residential, including design components (technical drawings and renders) and assisting in construction management(PMP). My value added to the industry is to provide efficiency through innovation of processes in design and construction management; through the versatility of available digital tools, collaboration, competitions and volunteering.

LANGUAGES

English Proficient ●●●●●

Spanish Native ●●●●●

SKILLS

BIM Methodology · Revit · Dírroots ·
Autocad · Naviswork · Procore · Asite ·
BIM360 · Illustrator · Photoshop ·
AI for AECO * In progress · ChatGpt ·
Excel · Word · Power point · Bluebeam

TRAINING / COURSES

Master in Artificial Intelligence
Applied to Architecture and
Engineering- On going

Expert Course in BIM
Measurements and Budgets:
Cost IT, Presto 5D, and Revit-
09/2024

Revit for MEP- 11/2024

Dynamo- On going

FIND ME ONLINE

LinkedIn
linkedin.com/in/ana-villamizar-
b4271321



EXPERIENCE

Assistant to Project Manager	02/2016 - 08/2016
CPM	Ponce, Puerto Rico
<ul style="list-style-type: none">Improved project efficiency through organized handling of documentation using Procore.Prepared detailed weekly and monthly progress reports, enhancing project tracking and stakeholder communication.Coordinated document approvals for owners, designers, and contractors, facilitating smooth project progress and compliance with requirements.	

EDUCATION

Interior design	04/2022 - 07/2023
MasterD Madrid	Madrid, M
<ul style="list-style-type: none">Interior Design for housing	
Master in BIM Management	10/2020 - 01/2021
Idesie Business School	Madrid, M
Master degree in Architecture	05/2016 - 06/2019
University Of Puerto Rico Rio Piedras (UPRRP)	San Juan, Puerto Rico
Baccalaureate degree in Environmental Design	05/2011 - 06/2016
University Of Puerto Rico Rio Piedras (UPRRP)	San Juan, Puerto Rico
Design	01/2015 - 05/2015
Stanford University	California, United States
<ul style="list-style-type: none">AEC PBL Architecture and designArchitect role of Island AEC Professionals winner team of the 9th SwinertonSustainability Challenge: Water. An international group, collaborating remotely.Through technology in virtual workspaces and using BIM processes to developA sustainable building	

FIND ME ONLINE

-  Published
<https://idesie.com/blog/2021/04/15/adopcion-del-bim-en-el-mundo/>
-  Personal webpage
<http://www.avrportfolio.com/>

PUBLICATIONS

AEC Global Teamwork Project Gallery

Stanford University AEC PBL Lab

Island Team
2015

Winners of Sustainability Challenge: Water
in AEC Projects
<http://pbl.stanford.edu/>

Adopción del BIM en el mundo

IDESIE Business & Tech School

Ana Villamizar
04/2021

Students blog
<https://idesie.com/blog/2021/04/15/adopcion-del-bim-en-el-mundo/>