



Gabriela Galvan Debarba

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ABOUT ME

Architect with 9 years of experience and a Master's in Building Information Modelling (BIM A+), with a dissertation titled "AI-Driven System to Support Early-Stage Floor Plan Generation". Over the last 3 years, I have specialized in BIM methodologies, coordinating multidisciplinary projects within Common Data Environments (CDEs) and applying ISO 19650 standards. Skilled in parametric and automation tools (Python, Grasshopper, Dynamo) to optimize workflows and improve design efficiency. My main interest lies in integrating BIM with parametric and AI-driven design processes to support innovation in the AEC industry.

EDUCATION AND TRAINING

Master's Degree in Building Information Modelling BIM A+ (Dissertation)

University of Minho [03/2025 – 09/2025]

City: Guimarães | Country: Portugal | Website: <https://bimaplus.org/> | Level in EQF: EQF level 7 | Thesis: AI-Driven System to Support Early-Stage Floor Plan Generation

Master's dissertation exploring how Artificial Intelligence, Large Language Models (LLMs), and Computational Design can support early-stage architectural workflows. Developed a system that translates natural language prompts into parametric layouts, validated against municipal regulations, comfort requirements, and environmental conditions, providing architects with compliant design alternatives for further development.

Master's Degree in Building Information Modelling BIM A+ (Coursework)

University of Ljubljana [10/2024 – 02/2025]

City: Ljubljana | Country: Slovenia | Website: <https://bimaplus.org/> | Level in EQF: EQF level 7

Postgraduate, Parametric Design with Visual Programming in BIM

Zigurat Institute of Technology [04/2024 – 09/2024]

Country: Brazil | Website: <https://www.e-zigurat.com/>

Bachelor of Science in Architecture and Urbanism

University of Caxias do Sul (UCS) [01/03/2012 – 11/12/2018]

City: Caxias do Sul | Country: Brazil | Website: <https://www.ucs.br/site> | Level in EQF: EQF level 6

WORK EXPERIENCE

GD Arquitetura – Caxias do Sul, Brazil

City: Caxias do Sul | Country: Brazil

Architect Self-Employed

[03/2021 – 09/2024]

Delivered over 20 residential architectural projects, some developed in ArchiCAD, covering architectural, interior, urban land regularization, and construction phases. Produced photorealistic renderings for all projects, typically 3 per room and totaling over 200, helping to accelerate client decision-making and reduce approval times by up to 20%. Managed all project stages, from design and client meetings to on-site supervision.

Agence Griesmar Architectes – Nice, France

City: Nice | Country: France

Architecture Intern

[04/2023 – 05/2023]

Contributed to the development of architectural projects using ArchiCAD, including the modeling of a church and the design of façades for a commercial building, within a collaborative team. The internship was carried out alongside my French language exchange program in Nice.

Garden Projetos – Caxias do Sul, Brazil

City: Caxias do Sul | Country: Brazil

Urban planning analyst

[08/2022 – 12/2023]

Led the planning sector, overseeing project schedules and managing REURB projects (Urban Land Regularization), including topographic surveys, land division projects, and urban design. Developed neighborhood impact studies that supported 5 REURB projects, including REURB Lajeadense, the largest initiative, which benefited nearly 200 families through land regularization.

C2 ARQUITETOS – Caxias do Sul, Brazil

City: Caxias do Sul | Country: Brazil

Architecture intern

[09/2017 – 12/2018]

Contributed to the development of architectural and interior projects, producing 3D visualizations and detailed furniture designs, and assisting with construction site monitoring.

Architect

[03/2019 – 03/2021]

Developed and delivered 15+ residential, healthcare, restaurant, and interior design projects, ensuring alignment with client expectations and regulatory standards. Coordinated a multidisciplinary team of 3 professionals, streamlining workflows that improved project delivery time by 10%. Supervised construction sites and managed supplier negotiations, minimizing design deviations and reducing material waste.

MP Estruturas Metálicas – Caxias do Sul, Brazil

City: Caxias do Sul | Country: Brazil

Architect

[01/2019 – 11/2019]

Designed and detailed metal structures for manufacturing, contributing to the development of efficient construction solutions. Collaborated with engineering teams to produce cost-effective detailing, reducing fabrication errors by 15%.

Arquiteta e Urbanista Ana Paula Kerpen – Caxias do Sul, Brazil

City: Caxias do Sul | Country: Brazil

Architecture intern

[04/2016 – 09/2016]

Supported the design of interior projects and detailed furniture drawings, ensuring technical accuracy and client satisfaction.

LANGUAGE SKILLS

Mother tongue(s): Portuguese

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

French

LISTENING B1 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

BIM & Standards

Archicad / Autodesk Revit / Autodesk Navisworks / Autodesk AutoCAD / Bexel Manager / ISO 19650 / Common Data Environment (CDE) / IFC / BEP

Programming & Parametric Design

Grasshopper (Rhino) / Rhino 3D / Python (computer programming) / Large Language Models (LLMs) / Visual Studio Code (VSC) / Dynamo (Revit)

Visualization

SketchUp / CorelDRAW / Lumion / Adobe Photoshop

General

Microsoft Office Suite (Excel, PowerPoint, Word) / Dynamic / Organized / Creative / Works well in a team / Proactive / Engaged

COURSES AND CERTIFICATIONS

[01/01/2017 – 09/06/2017]

Certificate of Completion in English

Embassy English

Auckland - New Zealand

[17/04/2023 – 12/05/2023]

Certificate of Completion in French

Azurlingua French School

Nice - France

VOLUNTEERING

[2017 – 2019] Caxias do Sul

TALIESEM

Member of the Architecture and Urbanism office at the University of Caxias do Sul - UCS.

My colleagues and I participated in a charity project at Machado de Assis school, where, through collective efforts, we focused on creating outdoor furniture with recyclable materials for students.

HONOURS AND AWARDS

[2016] Projeto

National contest Urban 21

Name of the project: MAESA Industrial District

Team Placement: 6th place among 121 teams.

Revitalization project for an abandoned area with historical significance in the city of Caxias do Sul. The objective was to breathe new life into an old industry and its surroundings, allowing the population to better enjoy this part of the city. The project included spaces such as a theater, museum, commercial area, facilities for municipal departments, a sports square and a contemplation square.