

Leonardo Donati

Brazilian, 23 years old.

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RESUMO PROFISSIONAL

Architect and Urban Planner in training, working at the intersection of physical space and digital logic. With a background in BIM and reality capture, I currently focus on developing innovation solutions, creating platforms and plugins that expand native software functions. I seek to translate design complexity into efficient algorithms, investigating the invisible structure that connects data, automation, and construction.

PROFESSIONAL EXPERIENCE

Spbim, São Paulo - SP — Architecture Innovation Assistant
MARCH 2025 – PRESENT

Working on the diagnosis and optimization of workflows, translating design needs into software solutions. Development of interfaces and internal tools that overcome technological limitations, connecting project stages and eliminating production bottlenecks through computational intelligence.

Spbim, São Paulo - SP — Architecture Intern
AUGUST 2024 – MARCH 2025

BIM implementations Assisted. Responsible for parametric modeling, project coordination (clash detection), and organizing integrated workflows. Experience in point cloud surveys using laser scanners. Project optimizations using digital technologies for greater precision and efficiency.

Tekno S. A., Guaratinguetá - SP — Electrical Maintenance Intern
OCTOBER 2020 – APRIL 2021

Assisted in electrical blueprint development and technical analysis. Executed preventive/corrective maintenance and equipment certification. Supervised electrical installations and project implementation.

EDUCATION

Universidade Anhembi Morumbi, São Paulo — Bachelor's Degree
JANUARY 2022 – DECEMBER 2026

Colégio Técnico Industrial - Unesp, Guaratinguetá — Technical High School
JANUARY 2017 – DECEMBER 2019

SKILLS

Revit & Dynamo – Parametric modeling, BIM project development, family creation, construction detailing, and interdisciplinary coordination. Process automation, visual programming, data analysis, and parametric generation.

Navisworks – Project coordination, interference detection (clash detection), 4D simulations, and model integration for efficient management.

Archicad & SketchUp – Modeling for volumetric and conceptual studies. BIM project development focused on architecture and interiors.

InfraWorks – Modeling and visualization of infrastructure projects, feasibility analysis, integration with topographic data, and urban simulations.

Recap & Cloudcompare – Manipulation, processing, and post-processing of point clouds.

PROJECTS

Recognizing Mooca – Urban and architectural survey, applying photogrammetric techniques for urban flow analysis and heat island mapping.

ADDITIONAL ACTIVITIES

Student Mentor at "Semana de Integração Ctig - Unesp" (2018, 2019, and 2020).

OBA Medalist (Brazilian Astronomy Olympiad) - Gold (2015), Bronze (2016), and Silver (2019).

Workshop Mentor at Spbim regarding laser scanner surveys - May 2025.

Extension Professor, Basic to Intermediate Revit at Universidade Anhembi Morumbi - March to November 2025.

Class and Professor Coordinator at SPBIM.

LANGUAGES

English – Intermediate [B2], currently improving.

Adobe Tools – Layout of architectural boards, vectorization of graphic elements, creation of visual schemes and technical presentations, image post-production, and development of graphic material.

Power BI – Data analysis and visualization, integration into BIM workflows, project monitoring, and management.

Python & C# – Automation scripts, plugins, and APIs.

HTML & CSS & JS & MySQL– Development of platforms, interactive websites, plugins, and APIs