

Michel de Oliveira Peixoto

ARCHITECTURAL 3D & AI SOLUTIONS
SPECIALIST

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FLAGSHIP PLATFORM

Coleção 3D

www.colecao3d.com.br

Founder & Creator of a specialized AI web platform dedicated to architectural rendering and design generation.

~1,500 MAU

Monthly Active Users actively generating architectural assets & AI renders.

AI & APP DEVELOPMENT

Google AI Studio

Google Flow

Nano Banana Models

AI Rendering Apps

Prompt Engineering

Image-to-Image AI

Custom Agents

Floor Plan AI

Veo 3 / Kling AI

Midjourney v6

3D ARCHITECTURAL TOOLS

SketchUp

V-Ray

D5 Render

Lumion

Unreal Engine

Architectural Modeling

PROFESSIONAL SUMMARY

Innovative **Architectural 3D & AI Solutions Specialist** with proven expertise in bridging high-fidelity 3D architectural visualization with cutting-edge Generative AI workflows. Creator and Founder of **Coleção 3D** (www.colecao3d.com.br), an AI-driven platform serving over **1,500 monthly active users**. Expert in developing custom AI applications tailored for high-speed architectural rendering, spatial humanization, and design automation. Proficient in **Google AI Studio**, **Google Flow**, and specialized fine-tuned AI architectures (including **Nano Banana** models).

FEATURED PROJECTS & ENTREPRENEURIAL EXPERIENCE

Founder & Lead AI Developer

2024 – Present

Coleção 3D Platform (www.colecao3d.com.br)

- Architected and launched a specialized AI web platform providing high-performance rendering tools and workflows for architects, interior designers, and 3D artists.
- Scaled platform adoption to a consistent average of **1,500+ monthly active users** through targeted tools, intuitive UI, and specialized AI models.
- Engineered automated image-to-image and text-to-3D visualization workflows that reduce traditional architectural rendering times from hours to seconds while preserving geometric fidelity.

AI Application Developer & Architectural AI Specialist

2023 – Present

Independent Consultancy & Custom AI Tool Creation

- Specialized in building custom AI application workflows tailored for photorealistic architectural visualization using **Google AI Studio** and **Google Flow**.
- Implemented customized pipelines utilizing **Nano Banana AI models** to generate spatially accurate floor plans, interior humanizations, and atmospheric lighting passes.
- Created bespoke system instructions and custom AI agents designed to process architectural floor plans and 2D sketches into rendered 3D assets.

Senior 3D Architectural Visualization Artist & AI Instructor

2020 – Present

Architectural Visualization & AI Educational Workflows

- Produced high-end photorealistic stills, 360-degree interactive panoramas, and cinematic animations using **SketchUp**, **V-Ray**, **D5 Render**, **Lumion**, and **Unreal Engine**.

360° Panoramas

Lighting & Materials

LANGUAGES & CORE COMPETENCIES

- **English:** Full Professional Proficiency
- **Portuguese:** Native
- Architectural Visualization & Rendering
- Generative AI Integration
- SaaS Product Engineering
- Workflow Automation

- Developed educational masterclasses and technical training materials on integrating AI image/video generators (Midjourney, Veo 3, Kling AI) into traditional 3D rendering pipelines.

TECHNICAL EXPERTISE & WORKFLOWS

- **AI Model Integration & Tuning:** Deep expertise in configuring models via Google AI Studio, custom system prompts, and custom fine-tuning for architectural geometries.
- **Hybrid 3D + AI Pipeline:** Combining traditional 3D viewport depth maps and clay renders with generative AI models to yield hyper-realistic lighting and materiality.
- **Scalable Product Experience:** Full-stack product management for AI web tools, user retention strategies, and API-driven rendering backend management.