David Romero Salinas

Quality Manager - Visual Production & AI

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Summary

Architect and AI production lead with 7+ years in photorealistic rendering and visual quality. Quality Manager at BoxBrownie.com, trusted by 250,000+ real estate professionals worldwide. I build practical AI pipelines and quality systems for visual production.

Built an AI review system: 90%+ of images reviewed automatically, 85-90% accuracy (internal measure). 7+ years in 3ds Max, Corona and V-Ray. I build production tools with Python, vibe coding and MCP, and teach AI workflows to architecture and construction teams.

Impact

90%+ / of images now reviewed automatically by AI

85-90% / accuracy of the automated review (internal measure)

7+ / years in photorealistic rendering

Experience

BoxBrownie.com / 2021 - present. Five years of consecutive promotion in the same global production operation.

Quality Manager, Visual Production and AI

BoxBrownie.com / Jan 2026 - present / Australia / 100% remote, global team

- Own the visual quality standards for a global production team, covering architectural renders, interior visualization, virtual staging and image editing for clients in the US, Australia and Europe.
- Built an AI review system: 90%+ of images reviewed automatically, 85-90% accuracy (internal measure).
- Drove adoption of the system across the team, so automated review became part of the daily workflow.
- Review and approve 3D furniture assets (sofas, beds, rugs; fabric, wood, metal and glass materials) before they enter the production library.
- Evaluate and pilot new AI tools for production: image generation and editing with local open-source models in ComfyUI, commercial image models and AI-assisted video.
- Connect AI assistants to production software through MCP, for example to inspect and check Blender scenes directly.
- Use Chaos Vantage for real-time scene review and lighting checks before final render.
- Lead, coach and mentor the team and coordinate with internal and external 3D artists; write quality guides, asset standards and playbooks in English for teams across time zones.

Independent AI Consultant

Clients include UPAEP / 2025 - present / Puebla, Mexico

- Designed and delivered an Architectural Visualization + AI workshop (7 hours, 3 sessions) for the UPAEP architecture and construction PMO: AI image generation, AI video and AI-assisted visualization workflows.
- Designed and delivered an AI for Project Management course (6 hours): RAG, grounding, prompt engineering and human-in-the-loop validation.
- Configured and handed over five custom AI assistants, with adoption frameworks and usage guides.
- Designed a four-course AI program for 2026-2027: AI rendering, construction progress tracking, executive reporting with Looker Studio and agents in Google Workspace.

Render Quality Team Leader

BoxBrownie.com / 2024 - Dec 2025 / Australia / 100% remote, global team

- Led a multi-disciplinary team of internal and external 3D artists and editors: workload allocation, quality feedback, review sessions, performance conversations and skills development.
- Defined the quality metrics and evaluation criteria for architectural rendering and image editing that became the standard for the global QC team.
- Developed custom Blender add-ons to automate repetitive rendering tasks, and a Power Apps quality tracking system adopted by the global team.
- Partnered with project managers, creative leads and production teams on deliverables, timelines, client expectations and quality standards.
- Troubleshot technical and production issues across the visualization pipeline and prototyped automation workflows to improve throughput and consistency.

Render Quality Executive

BoxBrownie.com / 2022 - 2024 / Australia / 100% remote, global team

- Evaluated architectural renders, interior visualization and image editing at high volume against photorealism, lighting, materials and composition standards.
- Identified recurring error patterns and turned them into clear correction guidance for remote production teams, in professional English.

Render Project Manager Executive

BoxBrownie.com / 2021 - 2022 / Australia / 100% remote, global team

- Coordinated the render production pipeline end to end, reviewing output at each stage against the client brief and managing delivery timelines.

Independent Architectural Visualization

Freelance / 2019-present / Mexico

- Interior and exterior visualization for private clients and a furniture store: 3ds Max + Corona, real-time (Lumion, Twinmotion, Chaos Vantage) and AI finishing.

Architect, Project Designer and Renderer

Vargas + Tejada / 2019-2021 / Mexico

- Architectural design, project development and visualization in 3ds Max and Corona.

Tools I built

Fast revisions in ComfyUI - Fix or change one element with a mask.
AI connected to production tools (MCP) - AI assistants that read and check 3D scenes directly
Hybrid staging pipeline - 3D precision + AI realism in one flow
Color & alignment app - Clean training pairs from AI outputs
Blender add-ons - Repetitive scene tasks automated
Quality tracking system - One place for production quality data
Browser tools - Alpha and color recovered after AI
This website - Built with vibe coding

Certifications

Generative AI Leader — credly.com/badges/dc9d68a7...
Google Cloud / 2026

AI Fluency: Framework and Foundations — academy.claude.com/verify/a10d18e4...
Anthropic (Claude Academy) / 2026

Claude 101 — academy.claude.com/verify/df0b92e6...
Anthropic (Claude Academy) / 2026

Vibe Coding Essentials - Build Apps with AI (5 courses incl. Claude Code and MCP) — coursera.org/.../ZYJ4ZNJJB0FX
Scrimba via Coursera / 2026

Six Sigma Yellow Belt — coursera.org/.../77QNXZ4CQNKU
Kennesaw State University via Coursera / 2025

Google Project Management — credly.com/badges/d420f131...
Google / 2024

Google Data Analytics — credly.com/badges/46cb98af...
Google / 2023

Enterprise Design Thinking Practitioner — credly.com/badges/c5117066...
IBM / 2025

McKinsey.org Forward Program — credly.com/badges/56e60ede...
McKinsey.org / 2026

V-Ray Rendering
Learn V-Ray / 2017

Oracle Next Education — aluracursos.com/certificate/41016745...
Oracle + Alura / 2 Oct 2023

Tools

AI image models - ChatGPT Images and Nano Banana, plus local open-source models in ComfyUI.
AI video - AI-assisted video for architecture and short films.
3D and offline rendering - 3ds Max, Corona, V-Ray - 7+ years in rendering.
Real-time rendering - Chaos Vantage, Lumion, Twinmotion
Blender - Scenes, pipelines, custom add-on development
Post-production - Adobe Photoshop (advanced compositing), Affinity Photo
UI/UX design - Figma: components, auto layout, variables and prototypes; Claude or Codex through MCP, with deterministic workflows.
Building tools (vibe coding + MCP) - Claude Code, Cursor, Codex, MCP integrations (e.g. Blender), Python, Blender add-ons, desktop and browser apps
Operations - Power Apps / Power Automate, Looker Studio, Google Workspace

Languages

Spanish: Native / English: Professional working proficiency; 5+ years at an English-speaking company

Education

Bachelor of Architecture / Universidad Popular Autónoma del Estado de Puebla (UPAEP), Puebla, Mexico / 2012-2017