

Emilie El Chidiac | Design Technologist

I build tools in Rhino, Grasshopper and code that score how a space works on the people inside it: LLM agents, and the evals that catch them. AI-assisted, of course. The judgment about what they get wrong is mine.

chidiacemilie@gmail.com · linkedin.com/in/EmilieElChidiac · github.com/hi-em · emiliechidiac.com

🎓 EDUCATION

Master in Advanced Computational Design for Architecture (MaCAD) II · IAAC, Barcelona · Sep 2025 - Dec 2026

MaCAD Awards 2026 winner. IAAC Women in Tech scholarship.

- › Sensi, an agentic LLM copilot scoring a floor plan across six senses, calibrated to a person. Project lead, team of four.
- › The Lungs, the deployed app that ran the studio: a hyperbuilding designed to filter a city's air. Data team of three.
- › IEgoarCh, a pipeline turning a text prompt into brick sets verified buildable against the real catalog.
- › Methods: agent orchestration, evals, generative pipelines, Rhino Compute, machine learning applied in teams.

Bachelor of Architecture (NAAB & NASAD accredited) · Lebanese American University, Byblos

Dean's Distinction List. Honor scholarship all consecutive terms.

- › The Homage, bachelor thesis: an adaptive reuse of Oscar Niemeyer's unfinished Rachid Karami Fair in Tripoli.
- › Licensed architect, Order of Engineers and Architects of Beirut, issued Mar 2024.

💼 EXPERIENCE

Design Technologist · Dynamic Solution Co., Kuwait · Aug 2024 - Present

- › Drive parametric design and generative design for exhibitions and brand experiences: Rhino, Grasshopper, Kangaroo.
- › Direct generative AI from text to image and text to deck, and judge which outputs are worth keeping.
- › Prototype web and VR experiences for clients, designed human-centered and detailed for disassembly.
- › Prepare and present concept and pitch for sports, F&B and automotive brands. Interdisciplinary teams.

Design Architect · SOMA, Dubai | Beirut · Aug 2023 - Jul 2024

- › Verve City Walk, District O, Enara, Saria: led facade and massing studies on four towers in Rhino and Grasshopper.
- › Delivered those studies into the Revit BIM set at LOD 300: floorplans, interiors, masterplan documentation.

Design Architect · Self-employed · Jan 2022 - Present

- › Rings of Mars: Ring 4000, a Marsception entry with Charles Abi Chahine: SubD modeling and generative AI.
- › Pen Table, this portfolio's design system: one token set governing the site, a printed book and the share cards.
- › Ongoing independent research in computational design and emerging technologies.

Architectural Designer · Jemma Chidiac Architects, Beirut · Jan 2022 - Aug 2022

- › The Encounter, an Anfeh cemetery in planted tomb terraces: concept support, landscape and tomb details. Finalist.
- › Falcon Square, an Al Khobar monument: takeoff lines mirrored into a steel falcon, led from the first sketch.

Research Assistant · Lebanese American University XR Lab, Byblos · Sep 2021 - Jan 2023

- › Modeled and animated chemical reactions for AR learning, and researched VR integration in education.

≈ SKILLS

AI workflows: AI agents and LLM copilots (LangGraph) · evals and benchmarking · GenAI pipelines (LoRA fine-tuning · FLUX · ComfyUI · ControlNet) · Weights & Biases · rapid prototyping · design automation

Ships with: Python · React · Vue · TypeScript · Three.js · WebGL · FastAPI · Speckle · Rhino.Inside · Rhino Compute

Domain: design technology · human experience · occupant wellbeing · evidence-based design · research design · evaluation methods · benchmarking · Rhino-Revit interoperability · human-AI interaction · demo and narrative

Languages: Arabic (native) · English (advanced) · French (advanced)

🏆 AWARDS & RECOGNITION

2026 · MaCAD Awards at IAAC, Design Copilots category winner: Sensi. Shown in the IAAC annual exhibition

2026 · Jury and studio awards at IAAC: IEgoarCh, The Lungs, The Huddle

2025 · IAAC Global Summer School, Circular Construction: Shifting Value, Barcelona

2024 · Volume Zero Marsception: Top 50, with Charles Abi Chahine (Rings of Mars: Ring 4000)

2023 · Tamayouz Excellence Award: Top 100 graduation projects of 2023, from 422 entries (The Homage)

2022 · Ctrl Act Design, The Cemetery Challenge: shortlisted finalist (The Encounter)

✍ WRITING & RESEARCH

18 essays at emiliechidiac.com/thoughts · 12 project write-ups on blog.iaac.net · MaCAD Theory Podcast, co-hosted with Charles Abi Chahine: Optimizing for the Mind, with Dr. Cleo Valentine