ANDREA MACHADO ROMERO

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EDUCATION

University of Pennsylvania, Master of Science in Design - Advanced Architectural Design — *Philadelphia, PA* | Aug 2025
Honors: $60,000 Weitzman Admission Scholarship, Featured work in the 2024-25 End of Year Show.

Rice University, Bachelor of Architecture — *Houston, TX* | May 2021
Honors: Margaret Everson-Fossi Fellowship: awarded to the best design project in the advanced option studio.
Bachelor of Arts - Architecture, Art History (Double Major) — May 2019
Honors: Mary Hale Lovett Fellowship, Traveling Fellowship, William Edwin Bryan Jr. Fellowship.

PROFESSIONAL EXPERIENCE

Thomas Phifer and Partners, Architectural Designer — *New York City, NY* | Aug 2019 – Aug 2020, June 2021 – May 2024
Project: Warsaw Museum of Modern Art. Phase: Construction Administration

- *Project Size:* 213,000 sq-ft new construction in Warsaw, Poland. *Project Cost:* $175 million dollars. *Completion Date:* October 2024.
- Contributed design input and developed detail drawings for new design elements including interior lighting, custom enclosures for all ceiling devices, and the redesign of the public stair and its handrail.
- Organized 200+ weekly meetings to coordinate the approval of workshop drawings, product data, samples and mockups with local architects, design engineers, and project consultants; primarily related to the project interiors and illumination.
- Produced and redlined drawing sets to resolve construction ambiguities, improving on-site coordination and minimizing RFIs across disciplines.
- Traveled to Warsaw for site inspections of major project milestones in 2022 and 2023. Evaluated built work through protocol reports to assess the execution of the design, provide feedback to the local contractors, and report back to the New York design team.

MC2 Architects, Design Intern — *Houston, TX* | May 2018 – Dec 2018
Project: Mia Gia Thon Senior Village. Phases: Schematic Design and Design Development.

- 250-unit multi-housing and landscape project with a focus on flood mitigation and energy efficiency through passive systems.
- Worked directly with firm leadership to develop layouts for the three types of housing units and overall project masterplan.
- Honored with the AIA Houston Design On the Boards Award in 2020.

RESEARCH & ACADEMIC EXPERIENCE

Polyhedral Structures Laboratory at the University of Pennsylvania, Research Assistant — *Philadelphia, PA* | June 2025 – Present

- Helps develop construction documents for a 3D-printed concrete pavilion designed to showcase novel research on robotic additive manufacturing and post-tensioning to produce lightweight funicular structures.
- Parametrically designs prototypes for a modular and non-mechanical hydro-power system.

University of Pennsylvania Weitzman School of Design, Teaching Assistant — *Philadelphia, PA* | Aug 2024 – May 2025

- Professional Practice courses (ARCH 6710 & 7710): supported course instruction and grading for 48 graduate students across both semesters.

Cornell University, Rice University, Syracuse University, Guest Juror — 2024

- Invited as a member of the review juries at multiple NCARB accredited architecture programs. Cornell: Penultimate Review for David Costanza's ARCH 210 Course, Rice: Midterm Review for Andrew Colopy's ARCH 302 Course, Syracuse: Review for Xinyu Chen's ARCH 394 Course.

Architectural League of New York, Mentor — *New York City, NY* | Aug 2023 – June 2024

- Chosen through an application process to provide design and technical feedback on students' studio projects during the 2023-24 academic year.

Rice School of Architecture, Digital Research Assistant — *Houston, TX* | Aug 2016 – May 2019

- Trained students & faculty in Fabrication Lab equipment (3D printers, Laser cutters, CNC mill & woodshop tools), and their respective software.

EDITORIAL WRITING

Andrea Machado Romero and Eric Kyle Cheung. *"Representing Maintenance."* **Log**, print, forthcoming (pre-selected for Issue 64: Summer 2025).

Eric Kyle Cheung and **Andrea Machado Romero**. *"The Chronic Loss of Interpretation."* **PLAT**, print, forthcoming (pre-selected for Issue 14).

Andrea Machado Romero. *"I'm Readin' Here."* **New York Review of Architecture** (Skyline Dispatch), online, March 4 2024.

Andrea Machado Romero. *"States of Belonging."* **New York Review of Architecture** (Skyline Dispatch), online, January 26 2024.

SKILLS

Language Skills: Proficient in Spanish and English.

Software Skills: 2D and 3D CAD: Rhinoceros, AutoCAD, (Advanced), Grasshopper (Intermediate), Sketchup (Intermediate) | Rendering Software: V-Ray and Keyshot (Intermediate) | Adobe Creative Suite: Photoshop, Illustrator, InDesign (Advanced) | Bluebeam (Advanced) | MS Office (Advanced)