

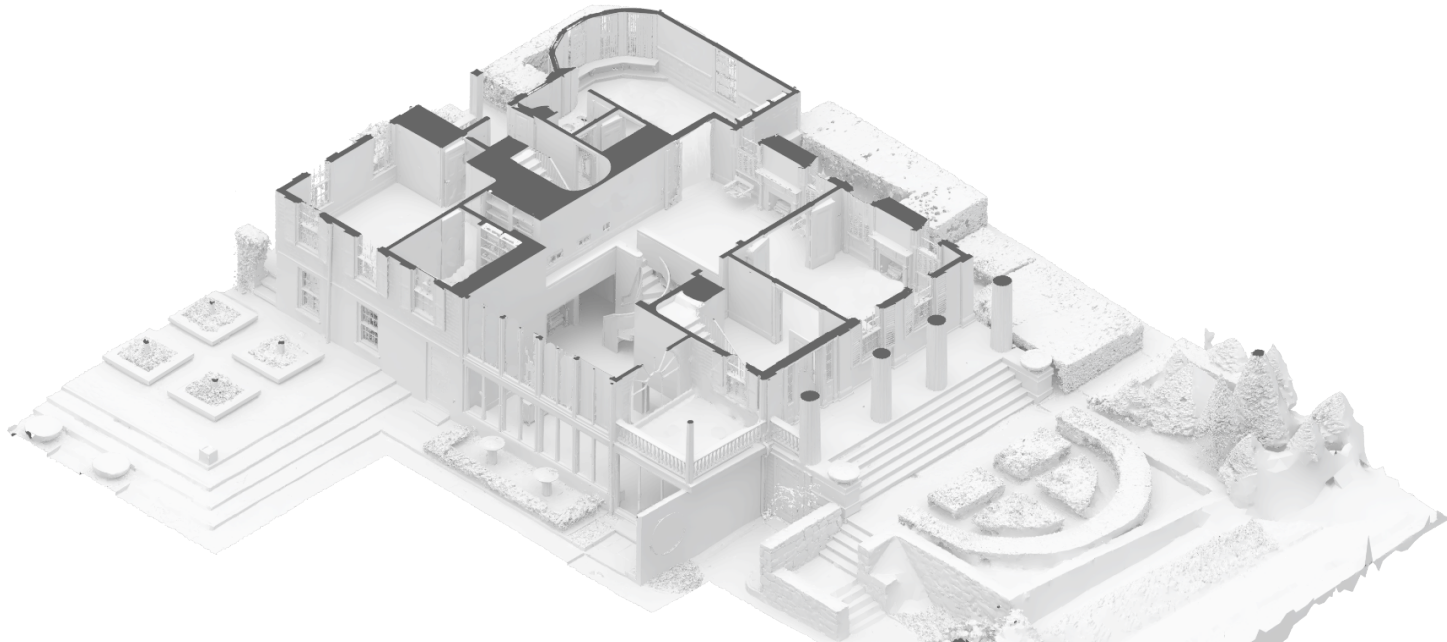
Visualization Techniques for Arch Preservation A6397

Columbia University GSAPP Elective

Wednesday 5:30-7:30 pm

September 4 - October 24, 2024

Instructors: Andre Paul Jauregui & Halley Ramos



Summary

This 7-week clinic serves as an intensive introduction to visualization techniques for architectural preservation. As emerging technologies like 3D scanning become increasingly prevalent in the preservation field for documenting and restoring historic structures, students will explore three modes of visualization: the image (rendering), the tactile (3D printing), and the spatial (3D scanning). Throughout the course, students will learn to create as-built drawings from scanning data, render and 3D print models, and format these outputs for preservation-focused applications such as conditions assessments. By the end of the course, students will be proficient in working with scanning data in programs like Rhinoceros, Blender, Adobe Photoshop, Adobe Illustrator, Adobe InDesign, and Reality Capture. No prior experience with 3D scanning, rendering, drafting, or 3D printing is required, though it is strongly recommended.