

# JAYDEN HUANG

NEW YORK, NY | jaydenmsh@gmail.com | 646-620-7322 | jaydenarch.com

## EXPERIENCE

<b>Center for Architecture Science and Ecology</b>	New York, NY
Undergraduate Researcher   <i>AI Agent for Building Energy Modeling</i>	Jan 2025 - May 2025
<ul style="list-style-type: none"><li>Built custom interface for building energy modeling by fine-tuning OpenAI LLM and modular data system</li><li>Automated structured data generation through scripting with Grasshopper, Ladybug, and Python</li><li>Designed full-stack workflow using prompt engineering, database querying, and front-end visualization</li></ul>	
<b>Rensselaer Polytechnic Institute</b>	Troy, NY
Teaching Assistant   <i>Intense Printed Ornament</i>	Spring 2024, Fall 2025
<ul style="list-style-type: none"><li>Supported seminar on architectural ornament using additive manufacturing, culminating in a public exhibition</li><li>Refined and maintained robust robotic clay printing system for student fabrication of full-scale columns and walls</li><li>Guided students through process and challenges of robotic additive manufacturing</li></ul>	
Undergraduate Researcher   <i>Unfamiliar Ornament</i>	Sep 2023 - Dec 2024
<ul style="list-style-type: none"><li>Co-developed novel, reduced-waste metal casting method using robotic clay printing to fabricate molds</li><li>Explored architectural implications of reintroducing ornament through digital fabrication</li></ul>	
<b>Beyer Blinder Belle</b>	New York, NY
Architectural Marketing Intern	Jul 2023 - Aug 2023
<ul style="list-style-type: none"><li>Prepared responses to RFQs for large commercial and institutional projects, assembled firm qualifications</li><li>Conducted site and market research to support client outreach and contractor engagement</li></ul>	
<b>Reform Architecture PLLC</b>	New York, NY
Architectural Intern	Dec 2020 - Aug 2022
<ul style="list-style-type: none"><li>Drafted schematic and permit drawings for small-scale commercial and residential projects in compliance with NYC building codes and LPC regulations</li><li>Performed site visits documenting existing conditions and interpreting code requirements for client consultation</li></ul>	

## EDUCATION

<b>Rensselaer Polytechnic Institute</b>	Troy, NY
<i>Bachelor of Architecture</i>	Exp. Spring 2027
GPA - available on request	

## AWARDS/PUBLICATION

Accepted - ACSA Annual Meeting	2026 (Pending)
Invited - Design Biennale Rotterdam 2025	2024
Invited - Collectible Fair Brussels 2025	2024
ACADIA 2024 - Unfamiliar Ornament	2024
School of Architecture Faculty Award	2023, 2024
Studio Awards Review Presenter	Fa22 - Sp24
Dean's Honor List	2022 - Present
Rensselaer Leadership Award	2022

## SKILLS

<b>Technical:</b> Rhino, Grasshopper, Adobe Suite, V-Ray, D5, QGIS, Python, Javascript, Web Design
<b>Collaborative:</b> Research, Teaching, Leadership
<b>Fabrication:</b> 3D Printing, Robotic Manufacturing, Casting