

# JAYDEN HUANG

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

## EXPERIENCE

### Center for Architecture Science and Ecology

New York, NY

Undergraduate Researcher | *AI Agent for Building Energy Modeling*

Jan 2025 - May 2025

- Built custom interface for building energy modeling by fine-tuning OpenAI LLM and modular data system
- Automated structured data generation through scripting with Grasshopper, Ladybug, and Python
- Designed full-stack workflow using prompt engineering, database querying, and front-end visualization

### Rensselaer Polytechnic Institute

Troy, NY

Teaching Assistant | *Intense Printed Ornament*

Spring 2024, Fall 2025

- Supported seminar on architectural ornament using additive manufacturing, culminating in a public exhibition
- Refined and maintained robust robotic clay printing system for student fabrication of full-scale columns and walls
- Guided students through process and challenges of robotic additive manufacturing

Undergraduate Researcher | *Unfamiliar Ornament*

Sep 2023 - Dec 2024

- Co-developed novel, reduced-waste metal casting method using robotic clay printing to fabricate molds
- Explored architectural implications of reintroducing ornament through digital fabrication

### Beyer Blinder Belle

New York, NY

Architectural Marketing Intern

Jul 2023 - Aug 2023

- Prepared responses to RFQs for large commercial and institutional projects, assembled firm qualifications
- Conducted site and market research to support client outreach and contractor engagement

### Reform Architecture PLLC

New York, NY

Architectural Intern

Dec 2020 - Aug 2022

- Drafted schematic and permit drawings for small-scale commercial and residential projects in compliance with NYC building codes and LPC regulations
- Performed site visits documenting existing conditions and interpreting code requirements for client consultation

## EDUCATION

### Rensselaer Polytechnic Institute

Troy, NY

Bachelor of Architecture

Exp. Spring 2027

GPA - available on request

## AWARDS/PUBLICATION

Accepted - ACSA Annual Meeting	2026 (Pending)	Technical: Rhino, Grasshopper, Adobe Suite, V-Ray, D5, QGIS, Python, Javascript, Web Design
Invited - Design Biennale Rotterdam 2025	2024	Collaborative: Research, Teaching, Leadership
Invited - Collectible Fair Brussels 2025	2024	Fabrication: 3D Printing, Robotic Manufacturing, Casting
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