

Education

Massachusetts Institute of Technology
Master of Architecture (MArch)
2023 - 2027

Duke University
Bachelor of Science in Civil Engineering (BSEng)
2019 - 2023
Passed the Fundamentals of Engineering (FE) Exam as administered by the National Council of Examiners for Engineering and Surveying (2023)

Campus Initiatives

Teaching Assistant for Intro to Structural Design
MIT Department of Architecture and Department of Civil Engineering
2026

- Led concept review sessions and tutorials.
- Assisted with design of problem sets and guided students in developing a structural design project.

Workshop Instructor
National Cheng Kung University, Tainan
2025 - 2026

- Designed, planned, and instructed a two-week workshop: "Thermal-Tectonics: Modular facade retrofits for Tainan Shophouses"
- Led 32 architecture students to address urban transformation under a warming climate.
- Designed a daylight and thermal comfort analysis exercise using Ladybug Tools to convey principles of building performance simulation to students.

Founding Member
Duke Initiative for Urban Studies
2020 - 2023

- Founded and expanded the urban studies community at Duke University from a group of four to a cross-campus initiative involving 7 faculty members and 7 students.
- Taught the first urban studies course at the university, working with 40 students over one year.

Skills

Rhino | Grasshopper | V-Ray | Photoshop | InDesign | Premiere Pro | Revit | Building performance analysis & energy modelling | Structural analysis & design | Data processing & visualization | Physical fabrication

Technical Experience

Research Assistant in Building Technology
MIT Architecture
2025 - 2026

- Contributed toward campus-wide initiative to reduce campus energy use through occupant-centric HVAC Controls.
- Evaluate equipment energy consumption by analyzing timeseries data, including building a regression model with supervised learning to predict baseline energy use.
- Synthesized research data through visualizations and communicated findings to participants.

Urban Policy Research Fellow
City University of Hong Kong
2024

- Conducted research project on Eco-cultural Tourism, assessing potential for sustainable rural development in New Territories, HK.
- Profiled existing policy landscape through literature review, analysis of spatial data in ArcGIS, and site visits.
- Produced research proposal for the Hong Kong Environment and Ecology Bureau.

Architecture Intern
Margulies Hoelzli Architecture
2022

- Ideated adaptive reuse schemes to transform a warehouse in Queens, NY into a last-mile facility.
- Conducted drafting work for the finalized scheme in Revit and AutoCAD.
- Prepared presentation sets for clients to communicate the firm's design vision and professional values.

Exhibitions & Publications

"Learnings from non-invasive occupant-centric control implementation in an office building"
The 12th International Conference on Indoor Air Quality, Ventilation & Energy Conservation in Buildings
2026

"Thermal-Tectonics"
Quotes Gallery, Harvard Graduate School of Design
2026

PAGALE, ft. "Cutting Corners"
with Ratées at Atelier Pampa, Paris
2025