

# Lindsay Hu 胡力臻

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## Education

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<b>Massachusetts Institute of Technology</b> , <i>Masters of Architecture (MArch)</i> 3.5 year accredited professional degree culminating in a thesis. Coursework includes courses in Architectural Design, Building Technology, Computation, History, Theory, and Criticism, and Art, Science, and Technology.	Graduation in Jan 2027 Cambridge, MA, United States
<b>Duke University</b> , <i>Bachelor of Science in Civil Engineering; Certificate in Architectural Engineering</i> GPA: 3.903; Dean's List with Distinction in Fall 2021 and Spring 2022.	Graduation in May 2023 Durham, NC, United States

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## Technical Experience

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<b>Building Technology Research Assistant</b> , <i>MIT Architecture</i> <i>Reducing Campus Energy Use through Occupant-Centric HVAC Controls (MIT Climate and Sustainability Consortium)</i> <ul style="list-style-type: none"><li>Conducted a pilot of a new HVAC control system by working with building occupants and facilities managers.</li><li>Evaluate equipment energy consumption by analyzing timeseries data, including building a regression model with supervised learning to predict baseline energy use.</li><li>Synthesized research data through visualizations and communicated findings to occupants and research team. Paper accepted by the <i>Conference on Indoor Air Quality, Ventilation &amp; Energy Conservation in Buildings (IAQVEC) 2026</i>.</li></ul>	Jun 2025 – Feb 2026 Cambridge, MA
<b>Urban policy research fellow</b> , <i>MIT Hong Kong Innovation Node</i> <i>Eco-cultural Tourism: Potential for Sustainable Rural Development in the New Territories</i> <ul style="list-style-type: none"><li>Conducted literature review and field visits to profile policy implementation.</li><li>Used ArcGIS Pro to understand the spatial relationship between country parks and villages in the New Territories.</li><li>Produced a research proposal for the City University of Hong Kong and the Environment and Ecology Bureau.</li></ul>	Jun 2024 – Aug 2024 Hong Kong
<b>Environmental Engineering Project</b> , <i>Senior Capstone for BSEng in Civil Engineering</i> <ul style="list-style-type: none"><li>Collaborated with a team of 3 to develop an environmental engineering solution to a proposed building.</li><li>Drafted grading plan based on sediment and stormwater control considerations.</li><li>Calculated stormwater flow rates for 1-, 10-, and 100-year storms and designed pipes and retention structures.</li></ul>	Jan 2023 – Mar 2023
<b>Architecture Intern</b> , <i>Margulies Hoelzli Architecture</i> <a href="#">↗</a> <i>Last-mile facility in New York City</i> <ul style="list-style-type: none"><li>Ideated possible schemes for adaptive reuse of the existing building, maximizing operational efficiency.</li><li>Conducted drafting work for the finalized scheme in Revit and AutoCAD.</li><li>Preparing presentation sets for clients that communicate the firm's design vision and professional values.</li></ul>	May 2022 – Aug 2022 New York, NY

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## Campus Initiatives

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<b>Teaching Assistant</b> , <i>Introduction to Structural Design with John Ochsendorf</i> <ul style="list-style-type: none"><li>Conducting concept review sessions and problem set tutorials for the undergraduate section of the course.</li><li>Assisting with design of problem sets and assisting students in developing a structural design project.</li></ul>	Jan 2026 – Present
<b>Instructor</b> , <i>Thermal Tectonics: Modular facade retrofits for Tainan's shophouses</i> <i>Ongoing Collaboration with National Cheng Kung University (NCKU)</i> <ul style="list-style-type: none"><li>Taught a 2-week design workshop to 32 university students as a team of 3, addressing urban transformation through lightweight facade retrofit on historical shophouses.</li><li>Designed a daylight and thermal comfort analysis exercise using Ladybug Tools to convey the principles of building performance simulation to students.</li><li>Compiled student work into an exhibition to be displayed at NCKU, Harvard GSD, and Dadong Arts Center for the Taiwan Architecture Biennale.</li></ul>	Jul 2025 – Jan 2026
<b>Shop monitor</b> , <i>MIT Architecture Shops</i> Received training on use of shop machinery and advises students on physical model making and safety procedures.	Aug 2024 – present
<b>Founding and Executive member</b> <a href="#">↗</a> , <i>Duke Initiative for Urban Studies</i> <ul style="list-style-type: none"><li>Founded and expanded the urban studies community at Duke University from a group of 4 to a cross-campus initiative involving 7 faculty members and 7 students.</li><li>Prepared and taught the first urban studies course at the university, working with 40 students across 2 semesters.</li><li>Doubled the number of urban studies courses offered at Duke from 12 to 24.</li></ul>	Sep 2020 – Apr 2023

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## Software

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**Rhino** — Grasshopper, ClimateStudio, V-Ray, **Adobe Creative Suite** — Photoshop, InDesign, Premiere Pro, **Revit**, **Data processing & visualization** — R, Python, Microsoft Excel, **Building performance analysis** — OpenStudio, Ladybug Tools, HTflux