

# Lindsay Hu 胡力臻

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## Education

<b>Massachusetts Institute of Technology</b> , <i>Masters of Architecture (MArch)</i> Relevant coursework: Structural Design (w/ John Ochsendorf), Building Technology Systems (w/ Caitlin Mueller)	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

## Technical Experience

<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 with the City University of Hong Kong and the Environment and Ecology Bureau.</li></ul>	Jun 2024 – Aug 2024 Hong Kong
<b>Overture Engineering Simulation</b> , <i>Civil Engineering Capstone project</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> ✉ <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
<b>POLIS Policy Pitch Competition</b> , <i>Duke POLIS Center for Policy Research</i> ✉ <i>Rapid and Resilient: Getting Durham Residents in Innovative Affordable Housing, Fast</i> <ul style="list-style-type: none"><li>Proposed the use of Accessory Dwelling Units as an immediate, short-term solution to the city's housing shortage.</li><li>Consulted local residents for their thoughts on the current housing shortage in Durham.</li><li>Pitched our proposal to a professional jury and an audience of 100+ people, earning 3rd place amongst 30 teams.</li></ul>	Feb 2021 – Apr 2021 Durham, NC
<b>Lab Assistant and Research team member</b> , <i>A City and its River: Durham's Ellerbe Creek Watershed</i> <ul style="list-style-type: none"><li>Data wrangled and generated visualizations of stream metabolic data with R, collaborating in a group of 4.</li><li>Introduced to spatial visualizations for housing, income, and racial data in ArcGIS (spatial join, model interpolation) and its relation to water quality and biodiversity.</li></ul>	May 2020 – Feb 2022 Durham, NC

## Campus Involvement

<b>Founding and Executive member</b> , <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 two semesters.</li><li>Doubled the number of urban studies courses offered at Duke from 12 to 24.</li></ul>	Sep 2020 – Apr 2023
<b>Student Representative</b> , <i>Partnership with Iglesia Emanuel Food Pantry</i> <ul style="list-style-type: none"><li>Participated in weekly food organization and distribution to over 600 families in Durham, North Carolina.</li><li>Created a long-term student organization to increase awareness of food insecurity in Durham to encourage community service amongst Duke students.</li><li>Developed a partnership plan for reference as students work with the pantry beyond my involvement.</li></ul>	Jan 2023 – Apr 2023
<b>Shop monitor</b> , <i>MIT Architecture Shops</i> Received training on the correct use of shop machinery and best practices in the shop. Advises students on physical model making and safety procedures.	Aug 2024 – present
<b>Student Mentor</b> , <i>MIT Architecture Mentorship Program</i> Met with prospective students every three weeks to discuss their interests and advise their application process.	Sep 2024 – present

## Skills

**Rhino** — Grasshopper (Karamba3D, Digital Circularity Toolkit), ClimateStudio, **Photoshop**, **InDesign**, **Revit**, **Code** — R, Python, Matlab, **Excel**