

Linjing RAO

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EDUCATION

Cornell University Cornell Tech, New York, NY

Master of Applied Information Science and Information System | *Urban Tech Concentration*

Expected May 2024

GPA: 3.9 Admitted with Merit Scholarship

Relevant Coursework: HCI, Practical Applications in Machine Learning, Urban Data, Virtual and Augmented Reality

Syracuse University, Syracuse, NY

Aug2017 - May 2022

Bachelor of Architecture | Architecture Thesis: <https://soa.syr.edu/live/profiles/1105-infrastructure-redefined>

Minor in Economics Graduated with Magna Cum Laude Honor

TECHNICAL SKILLS

Coding:	Python, Javascript, React, Next.js
2D Design:	Figma, Material Design, Adobe Illustrator, Photoshop, Indesign, AutoCAD
3D Design:	Rhino, Unity
Mapping:	ArcGIS, Tableau

EXPERIENCE

Open Zoning- Cornell Urban Tech x Harvard Urban Stack , Frontend Design Intern, New York, NY

June 2023- Aug 2023

[Multifamily Rezoning Visualization Project](#)

- Collaborated cross-functionally with engineers, researchers, and designers to develop a landing page interface and 3D visualization demo for a project focused on Minneapolis's multifamily rezoning initiatives
- Leveraged data-driven design principles and interactive visualization techniques in Rhino Grasshopper, Adobe Illustrator, and Figma to create an intuitive, user-friendly front-end experience that effectively communicated complex zoning policy changes

Urban Tech Hub, Student Researcher, New York, NY

Sep 2022- Jan 2023

- Analyzed NYC's urban tech startup ecosystem and policy landscape on decarbonization, utilizing Airtable to systematize data and support strategic urban planning initiatives; investigated green infrastructure and EV charging solutions to advance technological equity and sustainability
- Developed featured GIS data visualization projects for the [Urban Tech Hub 2023 Annual Report](#) (p. 24), showcasing spatial analyses of NYC's critical infrastructure systems and urban resiliency strategies; contributed to the annual Urban Tech Hub Summit, facilitating knowledge exchange and stakeholder engagement.

LWK+Partners, Intern Architect, Guangzhou, China

May 2021- July 2021

- Leveraged CAD and 3D modeling expertise to create a custom parametric facade modeling tool in Rhino using C# and RhinoCommon, significantly improving modeling efficiency and productivity for the design team https://github.com/lrao01-su/parametric-facade-gh_tool
- Demonstrated in-depth understanding of urban planning and sustainable building design by contributing data-driven solar analysis and site assessments to help design an energy-efficient building, contributed to the successful bid and award of a major tech headquarter project

Projects

Realm | Startup Studio, (ARKit iOS, ARCore-Andriod)

Spring 2024-Present

A hardware-free indoor navigation solution for stores, currently under rapid development with my startup team.

- Developed a product roadmap with clear goals and milestones, collaborating with the team to align efforts and successfully meet three milestone goals, and successfully delivered the user journey map and industry research report.
- Prototyped Realm's first demo, integrating LiDAR scanning and Apple's RoomPlan API for instant room scanning and model exporting

Robots Under Foot Specialization Project, (Unity, C#, ROS, Python)

Spring 2023 - (Present) Fall 2023

Researched and implemented advanced body tracking techniques in immersive VR environments, for human-robot interaction research.

- Utilized the Zed Camera setup and Python machine vision libraries to develop VR scenarios for whole-body tracking, advancing research in human-robot interactions.

Teaching Assistance INFO5410 Urban System, Cornell Tech

Fall 2023

- Developed and led regular office hours, tutorials, and hands-on activities to reinforce urban planning concepts and teach ArcGIS, data visualization techniques.