

Yuxi Dai (Sissie)

Email: dai.yuxi1112@gmail.com | Phone: +1 (315)2109026

Linkedin: <https://www.linkedin.com/in/yuxi-dai/>

Portfolio Website: <https://daisissie.myportfolio.com/>

Github Page: <https://github.com/daisissie>

Education

Columbia University | **Master of Science in Computational Design Practices (M.S.CDP)** | *NY, United States*

May 2024 - May 2025

Graduate School of Architecture, Planning and Preservation (GSAPP)

- Developed **computational thinking and technical skills**, integrating programming and design to solve problems
- Capstone project focused on **spatial data modeling and visualization**, exploring innovative approaches to spatial data integration in design practices

Syracuse University | **Bachelor of Architecture Degree** | *NY, United States*

Aug 2019 - May 2024

School of Architecture | Magna Cum Laude and with **Renée Crown University Honors** | GPA: 3.737

- Study Abroad Program in Florence, Italy and New York, United States
- Direct Research on Architectural Design Research, Synthetic Intelligence, and Machine Learning (Spring 2024)
- Leveraging a wide range of **AI models** to explore innovative technological solutions

Experience

Data Intern | Yuance Information Technology Co., Ltd. | *Suzhou, Jiangsu, China*

Dec 2024 - Jan 2025

- Develop 3D models in city scale and automate workflows using CGA (Computer Generated Architecture) Shape Grammar in ArcGIS CityEngine
- Developed a rule-based architectural model designed for future integration into workflows for spatial data modeling and visualization

Architectural Intern | Lea Architecture | *Brooklyn, NY, United States*

Jun 2023 - Aug 2023

- Worked on educational, residential, master planning, renovation projects
- Assisted with 3D modeling, drafting, documentation, presentations, high-quality architectural images for projects

Design Group Intern | RXR | *New York, NY, United States*

Aug 2022 - Nov 2022

- Supported the design group to develop test-fits for various assets; Assisted in the estimating process, gaining knowledge of budgeting and resource allocation
- Conducted furniture surveys and on-site measurements; Observed and participated in departmental collaboration to ensure successful project outcomes

Architectural Intern | ARTS Group | *Suzhou, Jiangsu, China*

Jul 2021 - Aug 2021

- Worked on museum, master planning, multi-use building projects
- Collaborated with architects and engineers to develop solutions for design challenges and aid in project success; Produced digital models with Rhino, orthographic drawings

Engagement

Co-Founder of Spatial Intelligence Association | Columbia University | *New York, NY, United States*

Feb 2025 - Present

- Explore and share our interests at the intersection of design and technology in spatial experiences

Undergraduate Teaching Assistant ARC 211 Structures I | Syracuse University SoA | *Syracuse, NY, United States*

Jan 2024 - May 2024

- Conducted weekly recitations with fellow teaching assistants to reinforce lecture material, clarify concepts, and address student queries

Fabrication Lab Assistant | Syracuse University SoA | *Syracuse, NY, United States*

Aug 2023 - May 2024

- Supervised the operation and maintain of laser cut fabrication shop, 3D printing machines, and instructed students on proper machine use while upholding safety guidelines

Honor & Award

Dean's List: Fall 2019 - Fall 2023

- *Syracuse University*

Renée Crown University Honors Program

- *Syracuse University*

Study Abroad Academic Enhancement Award

- *Syracuse University*

The SOURCE - Syracuse Office of Undergraduate Research & Creative Engagement

- *Syracuse University*

Spring 2025 Kinne Research Travel Grand

- *Columbia University*

Skills

Design & Modeling: Rhino, Rhino.Inside® Revit, Grasshopper, V-ray, Revit, AutoCAD, Blender, D5, QGIS, ArcGIS CityEngine

Creative & Productivity: Adobe Suites (Illustrator, Photoshop, InDesign), Figma, Microsoft Office, Google Workspace

Programming & Development: Python, JavaScript, HTML, CGA shape grammar

Fabrication: Metashape (Photogrammetry), Laser Cutting, 3D Printing

Soft Skill: Teamwork, Time Management, Adaptability, Communication

Hobby: Running, Cooking, Music