

Yuxin Yang is a climate-positive and technology-savvy designer. She interfaces the built environment as an engineered system with a particular interest in the mega-infrastructure, mix-used development, and energy and water system. She integrates the knowledge of sensing technology and data visualization in design thinking. At or after work, Yuxin values opportunities and tools to facilitate the public agenda.

EDUCATION

Harvard University, Graduate School of Design, Cambridge, MA

- Master in Landscape Architecture 1 (Advanced Placement) | 2yr, May. 2022 | Class Representative

Massachusetts Institute of Technology, Media Lab and EECS, Cambridge, MA

- Cross-registration at City Science Group, Responsive Environments Group and coding classes

Southeast University, School of Architecture, Nanjing, China

- Bachelor of Engineering in Landscape Architecture | 5yr, Jun. 2020 (GPA 3.81/4, 4/32) | Class Representative

Iowa State University, College of Design, Ames, IA

- Non-degree at College of Design | Funded by China's Government Scholarship, 2018 Fall (Dean's List)

EXPERIENCE

Urban Designer at Interboro Partners, Sep. 2022 - Present

- (Framework) Midwest/Tireman Neighborhood Framework, Detroit
- (Framework) Gratiot/7Mile Enhanced Maintenance District, Detroit
| Drafting neighborhood frameworks for City of Detroit, work includes land bank data analysis, green infrastructure strategies for vacant land, and community engagement.

Urban Design Intern at SOM, Jun. - Aug. 2021

- (SD) Alibaba DAMO Academy Urban Design, Hangzhou, China | Sustainable strategy study, diagram drawings
- (Guideline) VR Technology and Innovation City, Nanchang, China | FAR, height limit, and tenical refinements

Landscape Intern at SWA Group, Dec. 2020 - Jan. 2021, Apr. - Sep 2020, Oct. 2019

- (SD) Central Park Competition, Dongguan, China, ASLA Northern California Charter Merit Award in Analysis and Planning | 8km green axis concept, water strategy research, modeling, views and diagram drawings
- (SD) Xuhui Waterfront Park Competition, Shanghai, China | Architectural and node design, drawings
- (DD, CD) Xingfa Cement Quarry Restoration | Grading and Detail Documentation

Landscape Intern at Zhuyufan Studio, Tsinghua University, Jul. 2020, Jun. 2019 - Sep. 2019

- (DD, CD) Vanke Landscape Tower, Nanchang, China | Scripting, node development, construction drawings
- (SD) Master Garden of the 3rd Upper Yangtze River Urban Flower Fair | Scripting for parametric facade
- (SD) Cultural Park, Xinjiang, China | Modeling, stream and topo data analysis

Computational Designer at Landau Design+Technology, Part-time, Aug. 2022 - Present

- Parametric and technical contributions to territorial ecological design

Teaching Assistant at Harvard University, Sep. - Dec. 2021

- TA for LA Core Studio III, teaching ArcGIS Pro, Grasshopper, Rhino, renderings, and design suggestions

Urban Designer at Urbangene, Part-time, Aug. - Oct. 2021

Exhibition Assistant at Hongkong University, Shanghai Study Center, May 2019

FEATURED WORK

Urban Design on Mega-Infrastructure: Airport District, Data Center

- Yuxin Yang, Shuhan Nie | "From Airport to HST Station: Bio Intermodality," (Forthcoming Publication) 2022 Spring
- Yuxin Yang | "Crosswind Data Center," Published, 2021 Fall

Urban Design on Ecological Infrastructure: Biophilic Boulevard, "2021 WLA Awards" shortlist

- Yuxin Yang | "Migration is beautiful - biophilic boulevard in helping Perry, IA," 2018 Fall
- Volunteer at 2018 MonArch Migration Event by Office of Sustainability, St. Louis Government

Landscape Design on Coastal Resiliency: Littoral Landscapes at Work

- Yuxin Yang | "Dredge Engine," 2020 Fall

COMPUTATION & RESEARCH

"Fiber-Optic Sensing: IOT Shoreline; Wave, Weave" | 1st Place in "DLA2022 - Poster Competition Prize," BSLA "Landscape Architecture + Climate Action" Lightning Talk

- Yuxin Yang | a fiber-optic sensor for geotubes to capture hydrology and soil changes

MIT Media Lab CityScope Module: "Kendall Life-Work Crescendo"

- Patrick Chwalek, Yuxin Yang, Yoonjae Oh, Mirah Xu | an ESG assessment tool using Python and ArcGIS on office-to-housing conversion, serving as a development module for an open-source engagement platform CityScope

"Adaptive Rocking Lattice Stool"

- Yuxin Yang, Lianliu Guo, Qing Feng | An ergonomics lattice stool via topological optimization on Grasshopper (Millipede) for dynamic loading

"RS Sensing Sanyang Wetland" | National Fund Recipient, Patent: "An Extraction Method of Architecture in the Mountain Environment from High Resolution RS image," 2021.4.25, China

- Yuxin Yang, Xi Cao, Qizheng Xie, Shifeng Zheng | Invented a landscape element extraction and visualization flow with ENVI, eCognition, and Grasshopper

AWARD & SCHOLARSHIP

"Most Influential Undergraduate Award" nominee, Top 30 in university, 2020

"Outstanding Student Leader Award," "Outstanding Student Award," annually awarded by China's Department of Education in university, 2016-2020; phenomenally awarded at provincial level, 2019

"Chinese Government Scholarship," funded by Chinese Government for ISU exchange study, 2016

"Tongxi Enterprise Scholarship," funded by Southeast University Education Foundation, April 2018

"Principal Scholarship," 1% of university based on comprehensive evaluation, October 2016

SKILL

Landscape and urban design (Rhino, Adobe Creative Suite (Photoshop, Illustrator, Indesign, Audition, Premier), Lumion, Vray, AutoCAD) - 5;

Geo tools (ArcGIS, ArcPy, ENVI) - 3;

Computation (Python, Grasshopper (Ladybug, Millipede), Arduino, Electronics, Processing, SPSS) - 3;

Prototyping (3D Printing, Laser Cut, 3D Scan) - 3

Language: Chinese: native; English: advanced (TOEFL108); Deutsch: learner (A2)