

Yiqing Wang LEED GA

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70 Pacific Street, Cambridge, MA 02139

EDUCATION

Massachusetts Institute of Technology <i>Master of Architecture</i>	Cambridge, MA Sep 2020 -
Tongji University <i>Bachelor of Architecture, School of Automobile Engineering</i>	Shanghai, China Sep 2014 - June 2020
National University of Singapore <i>Exchange Student, Studio Project Exhibited</i>	Singapore Jan 2019 - May 2019
Harvard University <i>Design Discovery</i>	Cambridge, MA June 2019 - July 2019

PROFESSIONAL EXPERIENCE

Teaching Assistant, 4.123 Architectural Assemblies, MIT <ul style="list-style-type: none">Assist in teaching Assemblies and TectonicsOffer Revit/Rhino/Grasshopper modeling tutorials and technical supports to graduate students	Jan – May 2023 Cambridge, MA
IAP Workshop PROTOTYPING ONN OFF, Ensemble Fabrica <ul style="list-style-type: none">Developed prototype models at full scale using GFRC and shotcrete	Jan 2023 Madrid, Spain
Research Assistant, Massachusetts Institute of Technology <ul style="list-style-type: none">Used robotic arm to print a full-scale clay formwork for an optimized shape concrete beamFabricated extruder, rebar and stir-ups and cast concreteAnalyzed the result of labor, time, material consumptions and carbon emissions to formulate criteria	June – Sep 2022 Cambridge, MA
Workshop The Big Zero, Massachusetts Institute of Technology <ul style="list-style-type: none">Fabricated a full-scale self-bending double rock chair that generates energy to offset embodied carbon	Spring 2022 Cambridge, MA
MIT Sustainable Design Lab - Pathways towards a Net-Zero Building Stock <ul style="list-style-type: none">Studied the local energy use of Middlebury city center and proposed energy-efficient urban modelsCollaborates with PhD and presented the final energy proposal to the city municipal	Jan 2021
Shop Monitor, Massachusetts Institute of Technology <ul style="list-style-type: none">Maintain the shop equipment and help with fabrication	2021-

WORK

Researcher, MIT Hong Kong Innovation Node <ul style="list-style-type: none">Researched on Self-Sustainable Cultural Preservation in Lai Chi WoPresented the research project and proposals to Hong Kong CCO officials	June – Aug 2022 Hong Kong
Architectural Intern, Gensler <ul style="list-style-type: none">Designed the internal facade for Beijing Minsheng Bank Headquarter and assisted in the atrium designProposed design options for Chengdu New Eastern District Competition Jan 2021	July - Aug 2021, Shanghai
Architectural Intern, Pelli Clarke Pelli Architects <ul style="list-style-type: none">Assisted in different stages for two projects from massing study to final technical drawings productionProduced CAD flooring plan drawings, Rhino models, renderings with Lumion and 3D printing models for Shanghai Plaza Renovation	June 2019 - July 2019, Shanghai

HONORS AND AWARDS

A Design Award (Silver Prize) Design lead of a 3DPC urban furniture project	2021
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2020 Graduation Project of Excellence | Tongji University

Jun 2020

- Thesis: Anchor and Re-compose: Coexist of Modern City and Preserved Area

City Exhibition 2019-Praxis | Nominated | Singapore

Aug 2019

- Thesis: A Slice to the Subterranean World—Interpretation Centre of Singapore Underground Master Plan

LEADERSHIPS

Co-founder and CEO, RAB(Robotic and Autonomous) Lab

- Lead material research, product, prototyping and fundraising from MIT, Harvard and Upenn
- Prototyped an extruder with gantry system working for full-scale printing

Co-founder, Predu

- Lead PMR, product, and develop game prototype for preschool kids
- Designed games and interface for the APP Demo

Treasurer, MIT CSAP

Oct 2020 -

- Connect MIT to Chinese Institutions and Architects and plan on international academic workshops and lectures

SKILLS

Design and Modeling: Rhino, Grasshopper, Revit, Blender, Maya, Premiere, After Effects, Solidworks, AutoCad

Prototyping: Arduino, Processing, Python, KUKA Robotics, CNC Machining, Fabrication, Ceramics, Casting

Environment and Sustainability Structural Optimization, Concrete Design, Goat, Umi, Climate Studio, Kestrel, Data Analysis, GIS

Representation: Vray, Enscape, Lumion, Maxwell, Photoshop, Illustrator, Hand Crafting, Painting,

LANGUAGE

English (Professional), **Mandarin** (Native)