Jin Gao

Hi, I am a passionate designer and technician learning computer science and product design. I'm willing to become the best product designer and manager!

[Online Portfolio](#)

CONTACT

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[Linkedin](#)

SKILLS

Language

Chinese, English
(TOEFL 110, IELTS 7.5)

Design&Visualization

Adobe Suite (10+Years)
3D Model: Rhino, SU (5+Years)
CAD, CAM (5+Years), Unity, UE
Render: Vray, Lumion (5+Years)

Data Analysis

Excel, Python, ArcGIS

Web&UX Dev.

Figma, Illustrator

Programming

Python, C++ (Arduino),
JavaScript, Node.js, Three.js,
Vue, Express, MongoDB, GAMA

Teaching

China Teacher Certification

GROUPS

MIT China SA+P Association
CQU Future Architect Club, Leader
CQU Bridge to China, Leader

AWARDS

ULI Urban Design Competition - Finalist Award (2/93)
Asian Design Award - Silver Medal
ALIGHTING Award – Best Design
MIT Graduate Student Fellowship
China National Scholarship
AkzoNobel Sustainability Award

EDUCATION

Massachusetts Institute of Technology — 2021- 2024
Master of Science of Architecture Studies (SMArchS): Architecture and Urbanism
Aiming at a dual degree in computer science, elected product design and management courses

Trent Global College Full-stack Development Bootcamp — 2022-2023
A 6-month coding boot camp including Node.js, Vue, Express, MongoDB

Chongqing University — 2015 – 2020
Bachelor of Architecture, GPA: 3.86/4.0, Ranking: 2/127 Average Grade: 90.11/100

Politecnico di Milano — 2017 – 2018
Exchange Student in Architectural Design, Average Grade: 28/30

Short-Term Educations
• Summer Programs at NUS and HKU — 2018

PROFESSIONAL EXPERIENCES

Research Intern, Digital Blue Foam, Singapore — 2022-2023
A start-up for developing an AI-powered online platform for the urban and building industry.
Led product design, management, and prototype development using Javascript and Three.js.
Collaborated with cross-functionally, international developers and computational designer teams

Product Designer, with Media Lab Space Enabled Group, Colombia — 2022
Built an IoT device for the optimization and monitoring of beehives in cold climates in rural Colombia
The project was selected by Young Climate Prize 2023, 25 winners from around the world

Research Assistant, MIT
CarbonHouse Pilot Project — 2022
Prototyping, engineering, and fabrication of houses built from carbon-based new materials.
Supervisor: Mark Goulthorpe, MIT Department of Architecture

Towards a Zero-Emission and Resilient Real Estate Sector: — 2021 – 2022
Global Outlook and Asia's Progress: South Korea Chapter
Author of the whitepaper on South Korean sustainable real estate development and policies
Supervisor: Zhengzhen Tan, Asia Real Estate Initiative, MIT Center for Real Estate

Intern Urban Designer, URBANUS Shenzhen Office — 2021
Urban design research of Gankeng Village Project, Shenzhen
Development of Weiboshan Museum, Shenzhen

Intern Architect, Land-Based Rationalism D.R.C (Cui Kai Office), CADG — 2019
Schematic design of 2021 Nanjing International Horticultural Expo, Future Garden (Built 2020)
Design development of Dinosaur Museum Project, Yunyang, Chongqing

Volunteer Architect, Bridge to China, Hong Kong — 2021 –2022
Conducted building project from initial design to construction for Du'an Charity Canteen, Guangxi
Key cooperator between different stakeholders

OTHER EXPERIENCES

VR Architectural Education Platform — 2017
Core entrepreneur team member, product design and development, won Internet+ Prize

Organizer, MIT STL Social Responsibility Entrepreneurship Summer Camp — 2016 & 2017
Participated in the 2016 workshop & Co-organized the 2017 version with Prof. Qiao Liang

Volunteer Course Designer & Teacher — 2017 & 2018
Mengzi County Elementary School, Yunnan, Helong Village School, Chongqing

PUBLICATIONS

The Third Nature – An Epitaph of the Decommissioned Dams
First Author, Urbanism in the Expansion Field International Conference 2023

Simulating Multi-Purpose Autonomous Vehicles: Shared Mobility between People and Goods
Presented in Gama-Days 2022 Conference as 2nd author with MIT City Science Group

A Method of Historical Building Investigation and Record in Early Stage
First Author, Presented in the 3rd International Symposium on Architectural Heritage Conservation Technology, 2019