

Sixiong Wang

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Portfolio Page: <https://sixiong-wang.github.io/academic-page/>

EDUCATION

Chang'an University (Project 211)

Sep 2016 - Jul 2021

Field of Study: Architecture (5yrs) | Bachelor of Architecture Degree

Average Score: 78.86 out of 100

Core Courses: *Architectural Design (93), Practice in Design Institute (94), Ancient Architecture Measuring (91), Graduation Project (A).*

AWARDS & PUBLICATIONS

Outstanding Graduation Design - National Transportation Architecture Joint Graduation Design 2021

Tied for Second Place (first place vacant) - 2020 Future Community International Design and Innovation Competition 2020

Third Prize - Zhongshan OCT Happy Coast Center Green Axis Public Space Design Competition 2021

Masterpiece Award - UA Creation Award & International Concept Design Competition 2018

Presented paper (the only undergraduate group) - The 3rd National Architectural Criticism Symposium Selected Paper 2019

ACADEMIC EXPERIENCES

Architectural Workshops:

Figural Translation: Materiality Ensembles - Nate Hume (senior lecturer of UPenn) 2022

- *Reassessing and reorganizing the integral material relationship between volumes and enclosures.*

Designer's Utopia: Reclaiming the Autonomy - Lifeng Lin (founder, principal architect of LIN architecture) 2022

- *Situationist thinking research: nomadic, drifting life is used to counteract the spectacle society.*

Philosophical Archetypes and Techno-Critical Architectural Narrative - Yu Yan (assistant professor of SAUP) 2021

- *J. Lacan's psychoanalytic theory research: evacuation of the body by building.*

Structural Constructions:

Light Wings (3m×2.4m, H=2.7m) - foam board | interlocking 2020

Folding Cave (3m×2.4m×2.3m) - plastic polypropylene sheet | single-sided cutting, folding 2017

Square Utterances (5m×3m×3m) - composite board, square timber | mortise and tenon interlocking 2017

PRACTICAL EXPERIENCES

Hainan Provincial Design and Research Institute Co., Ltd

May 2023 - Present

Provincial, Grade A Architectural Design Firm | Architectural Intern

Hainan

- **Achievement** | *Developed a comprehensive AI algorithm-based architectural workflow (Stable Diffusion-based). Contributed to the acceptance of more than 10 commissioned projects.*
- **Responsibility** | *Schematic design, technical drawing (primary); rendering, profile formatting (secondary).*
- **Design** | *Designed over 20 building units and multiple residential area masterplans, achieving an adoption rate of over 80%. Focused primarily on university campuses, libraries, infrastructure warehouses, and residential areas.*
- **Technical Work** | *Produced and revised over 30 sets of technical drawings, including sunlight duration, green area, and parking layout calculations.*

Shenzhen Huahui Design Co., Ltd

Aug - Oct 2020

Grade A Architectural Design Firm | Architectural Intern

Guangdong

- **Achievement** | *Won 1 public tender competition and completed 3 commissioned projects.*
- **Design** | *Designed 6 building forms and 3 sets of urban design master plan drafts, with 7 of them being adopted.*
- **Technical Work** | *Adjusted floor area indicator and modified 4 sets of planning layouts accordingly. Revised over 12 node sample drawings based on client feedback. Independently produced over 60 pages for the final reporting atlas, all of which were fully utilized.*
- **Communication** | *Participated in 2 communication meetings with developers and government officials.*

Shaanxi Provincial Bureau of Cultural Relics Protection | Mapping Group Member

May 2019

Ancient Architectural Mapping - Main Hall of Xiyue Temple Complex: Hao Ling Hall

Shaanxi

- **On-site Mapping** | *Utilized a total station to capture point cloud data of the building and accordingly created 4 sets of technical drawings (including truss top views). Conducted research on Donggong brackets.*
- **Responsibility** | *Independently completed 11 sets of node sample drawings for all Dougong*

SKILLS & CERTIFICATES

Languages: English (IELTS 6.5/6), Chinese (native), Lin'gao dialect (near-native)

Software Skills: Rhino, Sketchup, Auto CAD, V-ray, Photoshop, Illustrator (main, proficient)

Grasshopper, Enscape, D5 Render, InDesign (intermediate)

Arc GIS, Blender, Keyshot, VS Code, PyTorch (novice)