

CHENG-HSIN CHAN

Cambridge, MA 02139
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Design Researcher | Registered Architect
chenghsinchan.com

EDUCATION

Massachusetts Institute of Technology (MIT) 9/2022–6/2024
Master of Science in Architectural Studies in Urbanism (MIT SMArchS Urbanism) Cambridge, MA
MIT Sloan Business Analytics Certificate
Graduate Fellowship/ Taiwan Government Scholarship

Harvard University 1/2023–6/2024
Cross Registration at Harvard Kennedy School, T.H. Chan School of Public Health Cambridge, MA
Area of Focus: Big Data, AI, and Urban Policies; Gender and Health

Tunghai University (THU) 9/2013–6/2018
Bachelor of Architecture Taichung, Taiwan
Thesis Design: Project Title: “Forest of the Absences”; First Place, Graduation Thesis Design Award

EXPERIENCE

MIT Office of Sustainability 5/2023–present
Climate Resiliency and Adaptation Planning Researcher Cambridge, MA

- Provided guidance on MIT climate resiliency strategy rollout, leveraged performance metrics for data-driven evaluations, and explored visualizations of climate risk impacts.
- Designed an audit form to capture risks to basement assets, developed a proactive framework for MIT DLC’s to address identified climate risks, and collaborated with stakeholders to formulate climate action strategies.

MIT International Science and Technology Initiatives (MISTI) 7/2023–8/2023
HK Impact Ambassador Hong Kong

- The MIT Hong Kong Innovation Node and MITdesignX 2023 Urban Technology Week

MIT Architecture 11/2022–12/2023
Mentor Cambridge, MA

- The applicant mentorship program

Predesign ArchLab 4/2021–1/2023
Project Manager Taipei, Taiwan

- Managed a team of 5 people working on private and public architectural projects.
- Developed an urban renewal project for Overseas Radio and Television, Inc. (ORTV) with a total 19,000,000 USD budget. (SD, DD)

- Collaborated with community organizations, businesses, and schools to visualize renovation ideas through interactive 3D animations and fostered stakeholder cooperation for access to the multimedia environment, resulting in successful technology-enhanced educational experiences.
- Developed conceptual and detail drawings for Hukou Kindergarten and Taipei Public Library-Kangning Branch, which both won first prize in competition led to commission and are under construction.

Office for Metropolitan Architecture (OMA)

7/2022–8/2022

Contract Architect

Taipei, Taiwan

- Designed a 23-story urban renewal residential tower, featuring over 30 distinct living unit types that integrate work and living spaces. (SD)

Behet Bondzio Lin Architekten (2bxl)

3/2019–3/2021

Architectural Designer, Project Manager

Taipei, Taiwan

- Led 10 architecture projects with a total floor area of over 100,000 sqft, demonstrating successful project management and execution for large-scale projects.
- Proposed sustainable design solutions, oversaw project execution, and delivered multiple revisions of construction drawings for the Promised Land Church project, which was successfully completed and won the 2022 Taiwan Architecture Prize. (CD, DD, CA)
- Developed plans and produced drawings and digital models of the community center, 220 living units, and commercial spaces for the Taoyuan Cingpu residential tower project. (SD)
- Worked in close collaboration with client representatives, MEP/FP specialist consultants, and contractor teams to support project coordination, which improved projects' progress by 40%.

Tunghai University & Shihchien University

6/2019–1/2021

Teaching Assistant & Guest Critic

Taichung, Taiwan

- Delivered and prepared courses for the 4th year Architecture Design Option Studio course.

Kris Yao | Artech

6/2017–8/2017

Architectural Intern

Taipei, Taiwan

- Involved in the facade design of Google's new office complex at Taipei Far Eastern Telecom Park (Tpark).
- Assisted in designing the Children's Mental Health Center and prepared drawings and reports for presentation.

LICENSE

Architect

2024

Issued by *Ministry of the Interior (Taiwan)*

SKILLS

Architecture & Urban Design • Digital Design • Design Research • Project Management • Climate Resilience & Sustainability • Data Analytics & Visualization • GIS • Digital Modeling & Rendering • MEP/FP Coordination

Design: Adobe Suite (Ps, Ai, Id, Pr), AutoCAD, SketchUp, Rhino, Revit, V-ray, Lumion, Enscape, Unity, Unreal Engine, Figma

Research: Microsoft Office Suite, ArcGIS Pro, QGIS, Python, R, Html, CSS, JavaScript, Tableau

Fabrication: Physical Model Making, Razor Cutting, 3D Printing, CNC

Languages: Mandarin (Native); Taiwanese Hokkien (Fluent)

HONORS & AWARDS

MIT Sandbox Innovation Fund Program 2/2024

Issued by *Massachusetts Institute of Technology*

CAMIT Seed Grant 1/2024

Issued by *the Council for the Arts at MIT*

MISTI China/ HK Fellowship 7/2023

Issued by *MIT International Science and Technology Initiatives*

Government Scholarship to Study Abroad 6/2022

Issued by *Ministry of Education, Taiwan (R.O.C.)*

MIT Department of Architecture Graduate Fellowship, Tuition scholarship+ stipend 5/2022

Issued by *Massachusetts Institute of Technology*

Second Place, The Linkuo Bread of Life Christian Church Design Competition 1/2021

Issued by *The Bread of Life Christian Church*

First Place, Hukou Kindergarten Design Competition 9/2020

Issued by *Hsinchu City Government*

First Place, Taipei Public Library Kang-Ning Branch Design Competition 6/2020

Issued by *Taipei City Government*

Emerging Architects Award, TEAM20 6th Architecture & Urban Planning Competition 7/2018

Issued by *Chinese Institute of Urban Design*

First Place, "Forest of the Absences," Graduation Thesis Design 6/2018

Issued by *Tunghai University, Dept. of Architecture*

Finalist, "Observatory Houses, Roccascalegna, Italy," Young Architects Competition 8/2017

Issued by *YAC*

Honorable Mention, Social Housing in Taipei 6/2017
Issued by *Taipei Architects Association*

Top 10 Finalist, Project X-site 5/2016
Issued by *Taipei Fine Arts Museum*

Third Place, Paochen Creative Park Design Competition 3/2016
Issued by *Paochen Group*

EXHIBITION

Cartographies of Entanglement, “*Horse to Horsepower*” 4/2023
Group exhibition organized by Mohamad Nahleh MIT SA+P HQ

Project Taichung, Project: The Folly, “*Dadu Mountain*” 7/2021
Group Artists exhibition organized by Tien ling Taiwan Contemporary Culture Lab

Into the Arms of Stillness 4/2021
Group exhibition by Behet Bondzio Lin Architekten The 201 Art Gallery

IN-Site Exhibition: Ambiguous Atmosphere, “*Sensing*” 10/2019
Group exhibition on X-site proposals Taipei Fine Arts Museum

2018 International Exhibition of Architecture Graduation Design (IEAGD) 8/2018
Best graduation projects from Japan, Singapore, Hong Kong, and Taiwan selected Cultural Affairs Bureau

Degree Show Graduation Exhibition, “Forest of the Absences” 7/2018
Thesis design exhibition by THU Department of Architecture Taichung MTA Terminal

PUBLICATION

“*Sensing*,” Shortlisted Proposal, *In-Site-Out: X-site 2014-2020*, Taipei Fine Arts Museum 1/2021

“*Forest of the Absences*,” Thesis design, *Taiwan Architecture Magazine* Nov. 2018, vol. 279. 6/2018

MIT HARVARD COURSES

4.228 Contemporary Urbanism Proseminar	11.c85 Interactive Data Visualization & Society
4.562 Advanced Visualization: motion graphics	11.523 Fundamental of Spatial Database Management (Listener)
4.s15 Urban Design Studio	11.524 Advanced Geography Information System Project (Listener)
4.241 The Making of Cities	MLD.620M The Data Smart City: Driving Innovation with Technology
4.s43 Shaping Thermal Performance in Architectural Enclosures	MAS.664 AI and Web3 for Impact: Venture studio
6.100L Intro to CS and Programming (Listener)	
11.321 Data Science and Real Estate	

15.071 The Analytics Edge
15.570 Digital Marketing and Social Media
Analytics
15.633 Law of AI, Big Data, Social Media
15.286 Communicating with Data

15.775 Analytics Proseminar
15.785 Product Management
WGH 211 Gender and Health: Introductory
Perspectives

REFERENCE

Yu-Han Michael Lin
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Roi Salgueiro Barrio
Lecturer, MIT Department of Architecture
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Hao-Hsiu Chiu
Associate Professor, THU Department of Architecture
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