

Zebin Chen

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EDUCATION

National University of Singapore, Singapore 2019 - 2020
Master of Arts in Urban Design 4.55/5 GPA

Shanghai University, China 2013 - 2018
Bachelor of Engineering in Architecture 3.79/4 GPA

SELECTED PUBLICATIONS

Climate-Responsive Urban Planning Through Generative Models: Sensitivity Analysis of Urban Planning and Design Parameters for Urban Heat Island in Singapore's Residential Settlements

Elif Esra AYDIN, F. Peter Ortner, Peng Song, Anna Yenardi, **Zebin Chen**, Jing Zhi Tay
Sustainable Cities and Society journal, 2024

Hierarchical Co-generation of Parcels and Streets in Urban Modeling

Zebin Chen, Peng Song, F. Peter Ortner
Eurographics 2024, Computer Graphics Forum

Urban Fabric Generation: A comparative analysis of multiple vector field methods

F. Peter Ortner, **Zebin Chen***, Peng Song, Pengyun Qiu
Education and Research in Computer Aided Architectural Design in Europe(eCAADe), 2023

Design Space Recommendation: Assisting Users to Manage Complexity in Urban Design Optimisation

Jing Zhi Tay, F. Peter Ortner, Peng Song, Anna Claudia Yenardi, **Zebin Chen**
International Conference on Computer-Aided Architectural Design Futures, 2023

City Size Based Scaling of the Urban Internal Nodes Layout

Wenhan Feng, Bayi Li, **Zebin Chen**, Peng Liu
PLOS ONE, 2021

SELECTED WORK EXPERIENCE

Singapore University of Technology and Design, Singapore May 2022 – Present
Senior Research Assistant Full time

- Involved in a government agency-funded interdisciplinary project on developing tools for an urban planning design platform. My work included back-end algorithm developments (Computer graphics x Design) and collaboration with front-end colleagues.

WOHA Architects, Singapore Jan 2021 – May 2022
Architectural designer Full time

- Planning: Shanghai Future City Planning / Singapore LCK Concept Master Plan
- Elderly housing planning and architecture design in Xi'an
- High-rise office tower competition in Shenzhen

UNStudio, Shanghai Oct 2018 – Mar 2019
Trainee Full time

- A conceptual design for an exhibition hall for electric car enterprise
- Guocoland 18T residential project in Chongqing, contributed to the residential plan layout

ACADEMIC SERVICE

AAG 2023, University of Stuttgart, Germany Oct 2023
Lecturer

- Organized and instructed Workshop: Participatory City Form. Bringing Urban Design to the Digital Commons

Pacific Graphics, Computers and Graphics

Reviewer

OTHER PROJECTS

Investigation of Small Apartments in Shanghai French Concession

Team Leader

Jan 2016 – April 2018

- Field investigation on 40 apartments, help with building Data collection, reorganization and remodification of drawings

Comparative Research on Protection Technology of Sino-US Historical Architectures

Team Leader

July 2017 – Sept 2017

- Edited materials of US historical architecture protection for academic and project acceptance

SKILLSET

Programming: Python, C#, C++, JavaScript

Modeling: Rhino+Grasshopper, Sketchup, AutoCAD, Revit

Rendering: Vray, Keyshot, Enscape, Lumion

Media Editing: Adobe Creative: PS, AI, ID, PR, AE, AU

HONORS AND AWARDS

Outstanding Graduate in Shanghai

2018

National Scholarship

2017

Academic Scholarship

2017, 2016, 2015, 2014

Excellent Student

2016, 2014

DESIGN COMPETITION PRIZES

Selected Entry for Exhibition of OISTAT Theatre Architecture International Contest

2017

First Prize of Shanghai Urban Pop-up Book Design Competition on Public Space

2017

Top 30 of China-Italy Architecture Communication Alliance Exhibition

2016

Finalist Award of NIHON SEKKEI Future · Communication · Environment Design Contest

2016

Honored Prize of Canada Quebec 24H Innovation Contest

2015

Third Grade Prize of Shanghai University Computer Application Capacity Competition

2014