

# LESHAN FU

Designer & Programmer

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## PROFESSIONAL STATEMENT

Landscape designer and researcher with 6+ years' experience in landscape architectural design, urban park system planning, and landscape conservation. Programmer with 3+ years' experience in city big data analysis, AR software development, Grasshopper plugins development, and interactive installation design. Published three SSCI papers on city big data and human behavior understanding, and a master's thesis on AR design platforms for designers and ABM models for pedestrians' behavior understanding.

## EDUCATION

### University College London

09.2021 - 09.2022

- MSc Architectural Computation, Merit.
- Team leader of Design Studio 2 and Research Group 2 in terms 1 and 2, focusing on pneumatic interactive robotics; achieved the highest grade (75/100) in Design Studio 2.
- Thesis on the development and evaluation of AR platform and ABM simulation in urban design scenarios.

### Southeast University

08.2016 - 06.2021

- BEn Landscape Architecture, GPA 3.79.
- Leader of the National Student Research Training Program (NSRTP) and the National Natural Science Foundation of China project. Published three SSCI papers.
- Highest grade (92/100) and honor design in fundamental architectural design studio in 2017. Awarded curriculum scholarship for the best performance in the class every year from 2016 to 2020.
- Wrote thesis on micro-regeneration for high-density urban areas.

## EXPERIENCE

### LA Design Intern

AESEU  
08.2020 - 11.2020

- Worked at Architects & Engineers Co. Ltd of Southeast University on the design for ecological and tourism park in Liuhe District, Nanjing, which won the bid and was selected by government.
- Mainly responsible for master planning and landscape architecture design for the node.

### Workshop Group Leader

Tongji University  
07.2020

- Leader of Digital Future workshop group at Tongji University.
- Group work involved building a living environment recommendation website; Mainly responsible for SVI collection, image segmentation and website building.

### Film Partime Intern

Nanjing FPS Studio  
09.2018 - 08.2020

- Worked at Nanjing FPS Studio and was responsible for script writing, shooting, and editing of microfilm.
- First prize in the microfilm category of the China Innovation and Entrepreneurship contest for directorial work on *The Light Chaser*.

### SRTP Leader

Southeast University  
2017-2020

- Student leader of a research group in the Student Research Training Program (STRP) founded by the National Natural Science Foundation of China.
- The research aimed to understand the human behavior and urban green park system and optimize the layout of a mini-park. The results of the group were published to three SSCI papers.

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## PUBLICATIONS

### Using multi-source data to understand the factors affecting mini-park visitation in Yancheng

Zhou, Conghui ; **Fu, Leshan** ; Xue, Yanwen ; Wang, Zhijie ; Zhang, Yu  
Environment and planning. B, Urban analytics and city science, 2022, Vol.49 (2), p.754-770

### Assessing mini-park installation priority for greening planning in densely populated cities

Zhou, Conghui ; Zhang, Yu ; **Fu, Leshan** ; Xue, Yanwen ; Wang, Zhijie  
Sustainable cities and society, 2021, Vol.67, p.102716

### How do mini-parks serve in groups? A visit analysis of mini-park groups in the neighbourhoods of Nanjing

Zhou, Conghui ; An, Yihuan ; Zhao, Jin ; Xue, Yanwen ; **Fu, Leshan**  
Cities, 2022, Vol.129, p.103804

### Exploring the effect of AR based real-time agent simulation on the development of urban design scenarios

#### Leshan Fu

Dissertation for MSc Architectural Computation Programme at Bartlett School of Architecture, University College London in 2022

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## AWARDS

### Shanghai Library Open Data Contest

2nd Prize, 2021

The work *Rebuild Fuxing Park*, an interactive website using big data, 3D scanning, and machine learning techniques to build a digital twin for Fuxing Park. The work was selected as finalist at the **Shanghai Open Data Application Contest** in 2021.

### China Innovation and Entrepreneurship Contest

1st Prize, 2018

The work *The Light Chaser*, a microfilm based on the real-life case of a student at Southeast University, about his efforts to design a 3D fan screen and achieving commercial success. The work won the Southeast University Microfilm Contest in 2018.

### Curriculum Scholarship 2017-2020

From 2017 to 2020, I was awarded curriculum scholarships each year for top grades in subjects including Fundamentals of Architectural Design II, Urban Green System Planning, Physical Environment Analysis and Scenic Area Planning Principles.

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## PRO. SKILLS

### Graphic Design

Photoshop



Illustrator



InDesign



### Modeling & Analysis

Rhino + GH



SketchUp



AutoCAD



ArcGIS



### Video & Audio

Premiere



AfterEffect



Audition



### Interaction

Unity 3D



Arduino



ROS

