

## Education

- The University of Edinburgh (QS:22)** Sep 2022 – Jun 2024  
MLA Landscape Architecture  
**Core Courses:** Landscape architecture design: Context and Grounding, Landscape architecture techniques: Material Knowledge and Detailed Design, Landscape architecture techniques: Ground-Works and Construction Design, Master in landscape architecture: Academic Portfolio, etc.
- Northwest Agriculture and Forestry University (NWFU) (985/211)** Sep 2018 – Jun 2022  
Landscape Gardening  
GPA: 82.7/100  
**Core Courses:** Landscape Dendrology, Nursery for Gardening, Landscape Architecture Design, Landscape Design, Structure and Construction, Plant Planting Design, etc.

## Awards and Honors

- The 3<sup>rd</sup> National Forestry Prairie Industry Innovation and Entrepreneurship Competition** 2021  
*Team Leader*, shortlisted for the award  
  - Completed the ecological restoration of one garbage site
  - Allocated work to team members effectively and responsible for the final presentation of the proposal
- Micro Landscape Design Competition at the 10/30 International Horticultural Exposition** 2021  
*Team Leader*, Won the Silver Award  
  - Took charge of the plant design as well as the on-site construction
- Heyang County Poverty Alleviation Team** 2020  
*Team Leader*, Won the University-level Excellence Award  
  - Analyzed the local industry and proposed the innovation plans based on the county's feature
  - Prepared promotion materials and published information on social media

## Research and Publications

- Research Proposal** 2024  
**Using algorithms to optimize urban greening layout for a better outdoor thermal comfort solution: A case study in south west England.**  
My research will be at the junction of three areas: urban greening, outdoor thermal comfort, algorithm optimization. I will investigate methods of extending the support of algorithm for urban greening analysis, particularly focusing on using urban greening to achieve a better outdoor thermal comfort solution.
- SCI** 2024  
**Luo, Tianze., Chen, Mingze\*. Supervised machine learning technology applications in outdoor thermal comfort: a systematic review. *Heliyon* (Under Review)**  
This paper demonstrates the ability of supervised machine learning to comprehensively solve outdoor thermal comfort problems, refines and summarizes existing workflows and overall applications, and finally makes three propositions for development in this field.
- Conference** 2023  
**Luo, Tianze., Chen, Mingze\*. Smart Canopies: Optimizing Tree Layouts for Enhanced Thermal Comfort -- An Edinburgh Case Study | 2024 IUFRO (International Union of Forest Research Organizations) Conference Abstract (Accepted)**

## Urban Mobility Collaboration Coordinator Urban Mobility Collaboration Coordinator

2023

Meta

London Area, United Kingdom · On-site London Area, United Kingdom · On-site

As an Urban Mobility Collaboration Coordinator at Meta, I worked on improving pedestrian-centric map data by enhancing the coverage of street-level imagery in walkable areas, with a focus on London. I collaborated with groups and individuals who shared our interests in an open and collaborative approach to map building, using open-source tools and data. Our efforts aimed to improve the density and freshness of Mapillary street-level imagery, identify map features, and experiment with sidewalk line string production.

## Workshops and College Activities

### Qianhai Resilient Urban Design (TUD & SZU)

Jul 2021

*Team Leader, Advisor: Prof. Akesel Ersoy*

- Learned and practiced the related theories and concepts of resilient city
- Responsible for the ecological design and the demonstration on the site
- In charge of reporting the project in English
- Won the excellent team among total five teams

### Parametric Design and Performance Simulation

Jan 2021

*Team Leader, Advisor: Dr.Hanan Yan*

- Familiarized with relevant theories of wind and thermal environment
- Studied the block scale building layout based on wind environment optimization
- Cooperated with professors to complete the grasshopper modeling and completed two presentation boards independently
- Presented the final design work

### Bicycle Association of NWAUFU

2019 – 2021

*President*

- Led members to participated in Qinling bicycle climbing competition; Yanglin competition, etc. and won good results

### Sports Club of NWAUFU

2019 – 2021

*Member of Swimming Team; Member of Marathon Team and 4\*100 Relay Team*

- Completed Xi'an Marathon and Yangling Marathon

### Electroacoustic Band

Bassist

- Performed in "The Night of Rock and Roll"

## Other Information

**English:** IELTS 6.5

**Software:** Adobe creative, Auto CAD, Rhino, Grasshopper, Lumion, V-ray, Python, R, ArcGIS, QGIS

**Interests:** Cycling, Swimming, Triathlon, Electronic bass guitar, Oil painting