

Resume

Chen Zuo
Resource Ecology & Management Ph.D.
U-M ID: 0533 6112

EDUCATION

- University of Michigan Ann Arbor** Ann Arbor, MI, U.S.
Master of Landscape Architecture & Master of Geospatial Data Sciences 09/2020 – 05/2023
- Major: Sustainability Studies
 - GPA: 3.82
- Xi'an University of Architecture and Technology** Xi'an, China
Master of Fine Arts 09/2010 – 06/2013
- Major: Artistic Design
 - GPA: 82.86/3.28
- Xi'an Polytechnic University** Xi'an, China
Bachelor of Arts 09/2005 – 06/2009
- Major: Art Design
 - GPA: 88/3.88
- Ranking: 1/118

AWARDS

- Terry J. and Janice Brown Award (2022)
- Paul L. Strauch “Spirit of the Studio” Award (2022)
- Young Architect Candidate Finalists Award (2021)
- Anthony and Johanna van Sweden Landscape Architecture Award (2020)
- Academic Merit Fellowship (2020-2021)
- Annual Excellent Landscape Designer for the IDEA-KING Award (2018)
- Excellence Award for Zhonglian Cup National College Student Architectural Design Competition (2010)
- Outstanding Graduate of Xi'an Polytechnic University (2009)

PUBLICATIONS

- Zuo, Chen.,** Wang, R., & Hong Y. (2022). *Investigating the Impacts of Urban Road Network Topology on Street Flooding in New York City*. American Geophysical Union (AGU) fall meeting, Chicago, IL
- Zuo, Chen.,** Wang, R., & Wu Q. (2022). *Investigating water quality under different urban planning scenarios with a combination of empirical and physical hydrological model approach*. Council of Educators in Landscape Architecture (CELA), Santa Ana Pueblo, NM
- Wang, R., Currie. W., Chen. Y., **Zuo, C.,** & Zhou, Y. (2022). *Beyond imperviousness—Investigating the fluence of urban form and socioeconomic characteristics on urban stream water quality in the Continental United States*. American Geophysical Union (AGU) fall meeting, Chicago, IL
- Wang, R., **Zuo, C.,** Wu, Q., & Goodspeed, R. (2021). *The investigation of fine scale urban form effects on stream water quality in the Huron River Watershed*. American Geophysical Union (AGU) fall meeting, New Orleans, LA
- Chen, L., **Zuo, C.,** & Yue. B. (2013). *Multidisciplinary Comparison and Systematic Construction of Local Landscape Presentation Mode*. Chinese Landscape Architecture, 29(12), 107-111.
- Zuo, Chen.** (2013). *Development and Review of Researches on the Spatial Structure of Villages in China*. Urban Construction Theory Research, (05).
- Zuo, Chen.** (2013). *Studies on Qinghai Guo Meri Village Space Structure Based on Compound Ecosystem*. [Master Thesis, Xi'an University of Architecture and Technology].

Zuo, Chen. (2012). *Research Review on Development Stages and Disciplinary Fields of Vernacular Landscapes in China*. Chinese Journal of Eco-Agriculture. 12(12). 1563-1570.

WORK EXPERIENCE

Xi'an Daotian Landscape Planning and Design Co., Ltd.

Xi'an, China

Co-Founder & Design Director

05/2016 – 08/2019

- Involved in the design and management of more than 20 projects as a company partner and design director, including 5 construction projects;
- Led the landscape improvement project on the east bank of Fenghe River in Xi'an.

Shaanxi Branch of China State Construction Engineering Corporation AECOM Consultants Co., Ltd. (a partner of AECOM in China)

Xi'an, China

Project Manager

07/2013 – 04/2016

- Participated in more than 50 design projects, including 6 management projects, assisting the company in developing landscape-related projects in Shaanxi;
- Took the lead in applying the sponge city technology in the landscape improvement project of the old city;
- Completed the conceptual project design on behalf of AECOM at the Human Settlement Environment Design Competition for the starting area of the Energy and Finance Trade Center in Xi'an New District;

Xichuan Urban Landscape Planning and Design Institute

Xi'an, China

Project Manager

09/2007 – 08/2010

- Participated in 11 design projects and 5 management projects, with the tasks completed at high efficiency;
- Played a vital role in the education stationing and planning project in Pucheng County, Weinan City, Shaanxi Province.

RESEARCH & TEACHING EXPERIENCE

2021.06-2022.01 | Research Assistant, Urban water quality management towards a sustainable framework—the investigation of fine scale urban form effects on stream water quality.

- Funding Source: Graham Sustainability Institute Catalyst Grant Program, University of Michigan.
- Role: Involved in the task of data collection and regression modeling. Mainly responsible for acquiring land use data, land cover data, subwatershed shapefile, and coding for regression analysis.

2021.06-2022.06 | Research Assistant, Data science approach towards a socio-ecological framework for the investigation of continental urban stream water quality pattern.

- Funding Source: Michigan Institute for Data Science, University of Michigan.
- Role: Involved in the task of project management and data collection. Mainly responsible for collecting census data crawl from ACS, pollution data crawl from USGS, and data analysis.

2022 Fall | Teaching Assistant, Site Planning and Design (EAS 688). School for Environment and Sustainability, University of Michigan.

- This course is designed to extend student ecological design experience into work at a site planning scale, and to do so in a manner that serves to connect design experience with conceptual design to the skills students have been developing in other non-studio courses such as Site Engineering, Materials and Methods, and Planting Design.

2023 Winter | Teaching Assistant, Site Engineering (EAS 588). School for Environment and Sustainability, University of Michigan.

- This class provides technical background and practical exercises in the fundamental knowledge and skills of Landform Grading, Earthwork, Drainage, Hydrology and Surface Hydraulics, Stormwater Management and Street Layout and Basic Geometric Design.

AFFILIATIONS

- Student Member, American Geophysical Union (AGU) (Since 2021).
- Student Member, Council of Educators in Landscape Architecture (CELA) (Since 2022).

PROFESSIONAL SKILLS

- Computer Skills: ArcGIS, GeoDa, GEE, RStudio, Python, CAD, Sketchup, Lumion, Photoshop, Corel Draw, InDesign.
- Certificates: Intermediate Engineer in Landscape Architecture, Grade II National Certified Architect (PRC), Grade II National Certified Constructor (PRC).