

# Jing Zhou

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## EDUCATION

January 2020 - present Michigan State University, East Lansing, MI

- Doctor of Philosophy in Urban and Regional Planning,
- Doctor of Philosophy in Environmental Science and Policy
- Primary advisor: Dr. Mark Wilson
- GPA: 4.0

January 2015–December 2017 Michigan State University, East Lansing, MI

- Master of Science in Integrative Biology,  
primary advisor: Dr. Richard Snider
- Specialization in Zoo and Aquarium Management
- Specialization in Ecology, Evolutionary Biology and Behavior
- GPA: 3.8

August 2011–August 2015 Michigan State University, East Lansing, MI

- Bachelor of Science in Animal Science
- Concentration in companion and exotic animal biology
- GPA: 3.5

## SCHOLARSHIPS and AWARDS

### **Michigan State University**

- |   |                         |
|---|-------------------------|
| • Malcolm C. Drummond- Shunichi Hagiwara Fellowship | 2023 Academic Year      |
| • ESPP Student Leadership Award                     | 2022 Academic Year      |
| • Graduate Teaching Assistantship                   | Aug. 2022 – Present     |
| • Landscape Architecture Scholarship                | Spring 2022 & Fall 2022 |
| • Graduate Research Assistantship                   | Jan. 2020 – May. 2022   |

### **American Society of Landscape Architects Michigan Chapter**

- 2023 Research & Communication Merit Award – *“The Hands of Graphics”*

## PUBLICATIONS

- Ni, J., Zhou, J., Qui, B., & Burley, J. B. (2023). The Hands of Landscape Graphics: Observations and Advice in Techniques, Media, and Technology. E. Lansing, Michigan: Michigan State University.  
<https://doi.org/10.13140/RG.2.2.10468.45440>
- Wen, B., Zhou, J., Hao, L., & Burley, J. B. (2023). Perspective Chapter: Organizational Ecology: Evolving Realities in Higher Education from Cholera to Covid-A Michigan State University Planning and Design Case Study.  
<https://doi.org/10.5772/intechopen.109596>
- Burley, J. B., Russcher, K., Schutzki, R., & Zhou, J. (2021). Visual Metrics for the Maxton Plains Alvars in Michigan, USA. *Landscape Architecture Frontiers*, 9(2), 26-37. <https://doi.org/10.15302/J-LAF-1-020043>
- Yue, Z., Burley, J. B., Cui, Z., Lei, H., & Zhou, J. (2021). Visitor Capacity Considering Social Distancing in Urban Parks with Agent-Based Modeling. *International Journal of Environmental Research and Public Health*, 18(13), 6720.  
<https://doi.org/10.3390/ijerph18136720>
- Li, N., Wang, L., Jin, X., Yue, Z., Machemer, T., Zhou, J., & Burley, J. B. (2020). An Ordination of Selected Artists, Painters, and Designers: Line, Composition, Color. *Journal of Architecture and Construction*, 3(1), 37-51.
- Loures, L., Burley, J. B., Panagopoulos, T., & Zhou, J. (2020). Dimensions in Post-Industrial Land Transformation on Planning and Design: a Portuguese Case Study Concerning Public Perception. *Journal American Society of Mining and Reclamation*, 9(3), 14-43. <https://doi.org/10.21000/JASMR20030014>

## MEMBERSHIPS

<b>American Planning Association</b>	2024 – Present
<b>American Society of Landscape Architects</b>	2023 – Present
<b>The Association of Zoos and Aquariums Student Member</b>	2016 – present

## WORK EXPERIENCE

### **Part-time Researcher at ISPM**

Jun. 2024 – Present

Michigan State University, Institutional Space Planning and Management

- Collecting institutional space data for the Spartan Space Database
- Conducting literature review research on hybrid workspace management
- Developing framework for university laboratory space management and laboratory attributes data collection

### **Lecturer at SUNY Albany**

Oct. 2023 – Present

State University of New York, Albany, Department of Geography and Planning

- Designing and facilitating both undergraduate and graduate courses
- USP 430 – Environmental Planning; USP 460 – People, Place, & Power; PLN 535 – Environmental Restoration and Brownfield Redevelopment

### **Instructor of PDC 100**

Jan. 2023 – Present

Michigan State University, School of Planning, Design, and Construction

- Designing and facilitating the course: Introduction to Built Environment
- Communicating and scheduling guest speakers
- Designing and evaluating class assignments

### **DEI Graduate Assistant at WKAR**

Sep. 2022- Present

Michigan State University, College of Communication Arts and Sciences

- Providing supports for WAKR Senior Directors on diversity, equity, and inclusion research projects
- Conducting data collection and analysis
- Facilitating focus group meetings

### **Graduate Teaching Assistant**

Sep. 2021 – Dec. 2022

Michigan State University, School of Planning, Design, and Construction

- Evaluating class assignments
- Providing support in classroom and virtual meeting setup.
- Facilitating classes when the instructor was away

### **Graduate Research Assistant**

Jan. 2020 – May. 2022

Michigan State University, School of Planning, Design, and Construction

- Working with other researchers on various projects.
- Collecting data and literature to develop peer-reviewed articles.

**Partnership with The Aquarium Vet**

Mar. 2019 – present

The Aquarium Vet | Victoria, Australia

- Working as a business partner with Dr. Robert Jones on developing courses.
- Translating the company website and course details into Chinese.
- Translating courses and exams into Chinese.
- Assisting with emails to prospective students and aquariums.
- Correcting the examination at the end of each module.

**Consultant for International Animal Exchange**

Feb. 2019 – Sep. 2019

International Animal Exchange | Royal Oak, MI, USA

- Worked as a contractor for specific projects.
- Researched and identified client information according to location, facility photography.
- Translated USDA APHIS documentation requirement and other regulations into Chinese.
- Edited and interpreted documents between clients and the company.
- Communicated with clients to explain laws and regulations related to animal trade when needed.
- Assisted other employees on tasks related to the project.

**Internship at Potter Park Zoo**

Mar. 2018 – Mar. 2019

Potter Park Zoo | Lansing, MI, USA

- Researched and writing the content for animal graphics.
- Researched and designed the exhibit yard of a future lion exhibit, penguin exhibit and two small carnivore exhibits.
- Assessed the welfare of the wolves, mandrill and spider monkeys through observations and completion of ethograms.
- Gathered exhibit information from other zoos for a capital campaign and future new exhibits.

**Internship at PGAV Destinations**

May. 2017 – Aug. 2017

Peckham Guyton Albers &amp; Viets, Inc. | St. Louis, MO, USA

- Developed database of husbandry regulations, animal behavioral information and benchmarking exhibits worldwide.
- Developed St. Louis Aquarium freshwater species list.
- Programmed exhibits of current ongoing zoo projects.
- Developed Columbus Zoo Heart of Africa visitor study manual.
- Translated PGAV's presentation for Chinese Association of Zoological Gardens Annual Conference
- Introduced American zoo design processes and animal welfare focus to Chinese zoo directors and authorities

## **Internship at Chengdu Research Base for Giant Panda Breeding**

June. 2013-July. 2013

Chengdu Research Base for Giant Panda Breeding | Chengdu, Sichuan Province, China

- Did behavioral observations of Giant Panda, especially behaviors of mothers and cubs, collected and analyzed observational data.
- Did the husbandry for Giant Panda Cubs, including daily feeding, cleaning and training.
- Helped with veterinary care, including blood drive, ultrasound during pregnancy of females.
- Educated visitors on how keepers feed the Giant Pandas when they are in the public enclosure; introduced the basic information about Giant Pandas to the visitors.
- Designed enrichment and conducted behavioral observations of Mei Lan, the giant panda from Zoo Atlanta.

## **DEPARTMENTAL & UNIVERSITY SERVICES**

### **Member of the Student Leadership Council**

Jan. 2022-Present

Michigan State University, Environmental Science and Policy Program

- Gathering student feedback and providing suggestions to the program leader
- Organizing the annual ESPP Fall Student Research Symposium and the ESPP Distinguished Alumni Speaker Series
- Overseeing activities gatherings for students

### **Member of the College Graduate Advisory Council**

Dec. 2022- May. 2023

Michigan State University, College of Agricultural and Natural Resources

- Attending monthly council meeting as graduate student representative
- Gathering and providing student feedback and suggestions to the college

### **Member of the SPDC Diversity, Equity, and Inclusion Committee**

Oct. 2020 – Present

Michigan State University, School of Planning, Design, and Construction

- Serving as the graduate student representative and liaison.
- Developing SPDC DEI Strategic Plan with other committee members.
- Developing and designing Student, Faculty, and Staff DEI surveys.
- Advertising and distributing surveys to classrooms.
- Designing and facilitating Student focus group discussions.
- Collecting and analyzing student data from the university database.

**President of SPDC Doctoral Student Society**

Nov. 2021 – May. 2023

Michigan State University, School of Planning, Design, and Construction

- Founded the registered school organization
- Organized social meetings for graduate students, especially doctoral students
- Took pictures and prepared food and beverages
- Conducted themes for exchanging both research ideas and life suggestions

**Spartan Chinese School Executive Committee Member**

Dec.2018- Dec. 2023

- Serving as publicist and human resources coordinator
- Designed school logo and merchandises
- Creating and managing official school website and social media
- Establishing relationships and lines of communication with parents
- Executing school related tasks and foreseeing the development of the school

**Departmental Graduate Student Representative**

Sep. 2015 – Aug. 2016

Michigan State University, Department of Integrative Biology

- Attended monthly meeting with all faculty members in the department and shared thoughts and suggestions from our graduate students
- Wrote and sent out meeting summary to all other graduate students
- Collected feedback from other graduate students on specific tasks

## PROFESSIONAL EXPERIENCE AND SKILLS

**Landscape Architecture Studio**

Aug. 2016 – Dec. 2017

Michigan State University | East Lansing, MI, USA

- Worked with junior undergraduate students on Northern Michigan Zoo Master Plan.
- Learned Photoshop techniques on mapping, coloring and synthesizing information.
- Learned Adobe InDesign techniques on design board layout, portfolio layout.
- Designed and built the model of Red Panda Exhibit individually.
- Sketched and colored exhibit details/construction details individually.

**Red Panda Behavioral Study**

Oct. 2015 – April. 2017

Potter Park Zoo | East Lansing, MI, USA

Binder Park Zoo | Battle Creek, MI, USA

- Designed enrichment for adult red pandas and their cubs to enhance their welfare.
- Conducted behavioral observation on red pandas with and without enrichment.
- Learned basic red panda husbandry and training protocols.

**Wildlife Habitat Remote Sensing Study**

Jan. 2015 – May 2015

Michigan State University | East Lansing, MI, USA

- Learned features and interpretation methods of remotely-sensed imagery, especially black-and-white and color infrared air photos.
- Learned basic features of radar, thermal, and multispectral imagery.
- Interpretation for agriculture, archaeology, fisheries, forestry, geography, landscape architecture, planning, and wildlife management.
- Produced an overall assessment of current Red Panda Habitat ecology with possible solutions to management issues.

**In Vitro Fertilization Training**

Aug. 2014 – Dec. 2015

Michigan State University | East Lansing, MI, USA

- Learned general protocols of IVF procedure including extracting eggs, retrieving sperm samples, and manually combining them under microscope.
- Participated in zebra fish cloning project by collecting eggs and conducted IVF throughout the semester.

**General Chemistry Lab and Organic Chemistry Lab**

Aug. 2013 – May 2014

Michigan State University | East Lansing, MI, USA

- Did experiments in general chemistry; stoichiometry, calorimetry, electrochemistry, molecular geometry, gas laws, kinetics, acids and bases, and inorganic chemistry.
- Did preparation and qualitative analysis of organic compounds.

**Quantitative and Molecular Genetics Training**

Aug. 2013 – May 2014

- Learned quantitative and molecular methods for animal geneticists.
- Identification and evaluation of molecular markers, genome maps, linkage and segregation analyses, optimal mating designs, and marker-quantitative trait loci associations in livestock species.
- Trained for coding techniques in R programming.

**Cell and Molecular Biology Lab**

Jan. 2012 – May 2013

Michigan State University | East Lansing, MI, USA

- Learning principle and application of common techniques used in cell and molecular biology

## VOLUNTEER and PRESENTATION

### **Presentation for Potter Park Zoo Docent and Volunteer Association**

Mar. 22<sup>nd</sup> 2017

Potter Park Zoo | Lansing, MI, USA

- Did an educational presentation for zoo staff and volunteers on Captive Red Panda Behavior and Welfare
- Introduced Red Panda ecology and behavior, exhibit design concept and detailed work
- Showed pictures of Chinese Red Panda and Giant Panda Exhibits and compare with American zoos in different dimensions

### **Volunteer for Small Animal Day**

Apr. 21<sup>st</sup>. 2012

Michigan State University Pavilion | East Lansing, MI, USA

- Showed goats, encourages kids to pet them and answered questions from both kids and their parents.

### **Volunteer for World Wildlife Fund**

Summer 2006-present

World Wildlife Fund | Shanghai, China

- Sold traditional Chinese pepper in Carrefour during the summer holiday in 2008 and donated the money to help the earthquake victims in Wenchuan, Sichuan Province, China.
- Supported snubfin dolphin listing as a threatened species under Australia's premier environmental law – the EPBC Act.

## LANGUAGE AND OTHER SKILLS

- Fluent in both English and Chinese
- Knowledgeable in Visual Basic, Adobe Photoshop, Lightroom, InDesign, ArcGIS, R Programming, Python
- Proficient in Microsoft Office suite (Word, Excel, PowerPoint)