

# ZHAOXU SUI

## EDUCATION

### University of Oregon

- Master Student in Geography** *Eugene Campus, Eugene, OR*  
September 2022 – June 2024 (Expected)
- Advisor: Dr. Carolyn Fish
  - Research Interest: Toponymy, Persuasive Mapping, Cartographic Design, Atlas Design, AI-Mapping
  - Lab Affiliations: The Cartofish Lab, S3C Spatial Analysis Lab, Infographics Lab

### University of Minnesota

- B.S., Geography** *Twin-Cities Campus, Minneapolis, MN*  
September 2019 - December 2021
- Minors: GIS, Population Studies, Interdisciplinary Design
  - Cumulative GPA: 3.99/4.0, Dean's List from 2019 to 2021
  - Senior Project: Flooding Risk Assessment in Jinan, China, in ArcGIS Story Map

## WORK EXPERIENCE

### Graduate Teaching – “Data Driven Cartography Fall 2023”

September 2023 -

### Graduate Teaching – “Data Driven Cartography Winter 2023”

January 2023 – March 2023

*Department of Geography, University of Oregon Eugene, OR*

- Preparing, teaching, and grading on the lab session of data-driven cartography class
- Instructing and explaining the data-processing tools and raster functions in ArcGIS Pro
- Providing supports on students' map portfolios
- Using office hours to assist students with additional help.
- Summarizing and Improving lab session structures for the class

### Graduate Employee – Student Cartographer

September 2022 -

*Infographics Lab, University of Oregon Eugene, OR*

- Designing and assisting posters and materials for GIS Day and Student Data Challenge.
- Creating a Mapbox Basemap for Global Initiative of Ungulate Migrations (GIUM) on the tentative interactive web maps.
- Created animations on Elk migrating routes in Wyoming using Mapbox GL JS to explore the auto-generation of similar ones for GIUM Project.
- Assisted in the layer reorganizations and labeling of USGS Migration Annual Report Maps using Adobe Illustrator

### Student Academic Support

July 2021 - December 2021

*Center for Urban and Regional Affairs (CURA), University of Minnesota Minneapolis, MN*

- Collected and updated the geodatabase of Minneapolis creative enterprises, including designers, architects, etc.
- Assisted in the creation of ArcGIS Online web map based on the geodatabase

### Student Mapping Assistant

March 2021 – May 2021

*Regional Sustainable Development Partnerships, University of Minnesota Minneapolis, MN*

- Remade and updated the map of Lost Creek Hiking Trail for the Bluff Country Hiking Club located in Chatfield, MN.
- Re-designed the graphic style of the map of Lost Creek Hiking Trail, using Esri products

## **VOLUNTEERING**

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<b>Student Volunteer</b>	October 2023 -
<i>GISphere</i>	Remote
• Designing cover page for the newsletter articles from GISphere WeChat official account.	
<b>Student Volunteer</b>	October 2023
<i>North American Cartography Information Society Annual Conference</i>	Pittsburgh, PA
• Located, moved, and packaged projectors for the conference sessions.	
• Donated four panorama maps for practical cartography day (PAD) raffle prizes.	
<b>Student Volunteer</b>	December 2022 -
<i>Natural Earth Dataset</i>	Remote
• Updating the transportation dataset, including airports, roads, and railways around the world.	
• Updating the populated places dataset, with hundreds of cities added in the East Asia, South Asia, and Oceania	
• Translated Tom Patterson's Equal Earth World Physical Map to Simplified Chinese version	
<b>Student Member</b>	October 2022 -
<i>Huafeng Magazine Club, University of Oregon</i>	Eugene, OR
• Designing Chinese and English articles using Adobe InDesign	
<b>Undergraduate leader</b>	October 2020 – June 2021
<i>Institute on the Environment, University of Minnesota</i>	Minneapolis, MN
• Researched the food scarcity issue and the possibilities of urban gardening in the Northside community, Minneapolis	
• Involved and helped to visualize data and making ArcGIS Online web map on the research topic to better enhance the readability of the web page of Northside community Sweetie Pie Project	

## **PUBLICATION**

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**Sui, Z., & Fish, C. S. (2023).** Endonyms or Exonyms: How map purpose, data source, and map language impact place naming on maps. *Abstracts of the ICA*, 6, 1–2. <https://doi.org/10.5194/ica-abs-6-249-2023>

## **CONFERENCE PARTICIPATIONS**

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### **Conference Presentations**

**Sui, Z.** (2023). Secure Political Claim: How Japanese Regulate Map Labeling on Southern Sakhalin Island (Karafuto). *North American Cartography Information Society Annual Conference, Pittsburgh, PA*, October 11-14, 2023.

**Sui, Z.** (2023). Endonyms or Exonyms: How map purpose, data source, and map language impact place naming on maps. *International Cartographic Conference, Cape Town, Western Cape, South Africa*, August 14, 2023.

**Sui, Z.** (2023) AI use in atlas projects. *Map AI Workshop, International Cartographic Conference, Stellenbosch, Western Cape, South Africa*, August 12, 2023.

**Sui, Z.** (2023). Endonyms or Exonyms: How map purpose, data source, and map language impact place naming on maps. *American Association of Geographers 2023 Annual Meeting, Denver, CO*, March 27, 2023.

### **Map Gallery Presentations**

- Sui, Z.** (2023). World Physical and World Countries. *North American Cartography Information Society Annual Conference, Pittsburgh, PA*, October 11-14, 2023.
- Sui, Z.** (2023). Map of Jinan Urban Area. *North American Cartography Information Society Annual Conference, Pittsburgh, PA*, October 11-14, 2023.
- Sui, Z.** (2022). The Sahara. *North American Cartography Information Society Annual Conference, Minneapolis, MN*, October 19-22, 2022.
- Sui, Z.** (2022). Travel Map of the World. *North American Cartography Information Society Annual Conference, Oklahoma City, OK*, October 13-16, 2021.
- Sui, Z.** (2021). Comprehensive Map of the World and Beyond. *North American Cartography Information Society Annual Conference, Oklahoma City, OK*, October 13-16, 2021.

## SCHOLARSHIPS

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University of Oregon Rippey Grant Research Awards	August 2023
International Cartographic Association (ICA) Scholarship for ICC 2023	April 2023
University of Minnesota Ecolab Sustainability Scholarship	October 2020
University of Minnesota Global Excellence Scholarship	September 2019

## GRANTS

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North American Cartographic Information Society (NACIS) Student Travel Grant	October 2023
Mather Fellowship, Department of Geography, University of Oregon	August 2023
U.S. National Committee (USNC) to the ICA Travel Funding	April 2023
North American Cartographic Information Society (NACIS) Student Travel Grant	October 2021

## AWARDS

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### Reference Atlas of the World

- Bill Loy Award for Excellence in Cartography Recipient, University of Oregon May 2023

### Travel Map of the World

- Arthur Robinson Print Map Award - Honorable Mention, CAGIS March 2023

### Comprehensive Map of the World and Beyond

- Copy is preserved at *Library of Congress, Washington D.C.* July 2021
- Most Ambitious Award, U-Spatial Mapping Prize, *University of Minnesota* June 2021
- Arthur Robinson Print Map Award - Honorable Mention, CAGIS April 2021

### 15<sup>th</sup> International Geography Olympiad, Quebec City, Quebec, Canada

August 2018

- Global 10th Place Gold Medal Recipient (3rd Place on the Field Work Test Globally)

## AFFILIATIONS AND SERVICES

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### American Association of Geographers (AAG)

- Student Chair, Cartography Specialty Group May 2023 -

### North American Cartographic Information Society (NACIS)

### Associated Graduate Students in Geography (AGSG), University of Oregon

- Colloquium Chair, Representative at Large May 2023 -
- Social Chair, Treasurer November 2022 – May 2023

### Graduate Teaching Fellows Federation, University of Oregon

### Phi Beta Kappa

## **SKILLS**

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<b>GIS</b>	ArcGIS Pro, ArcGIS Online, ArcGIS Desktop, Mapbox, QGIS
<b>PROGRAMMING</b>	Python, Javascript
<b>SPATIAL ANALYSIS</b>	Numpy, Pandas, Geopandas, ArcPy
<b>GRAPHIC DESIGN</b>	Adobe Illustrator, InDesign, Photoshop, After Effects
<b>WEB DESIGN</b>	HTML, CSS, Wix, Wordpress, ArcGIS Web Apps, Esri Storymap
<b>LANGUAGES</b>	<b>Chinese:</b> Native, <b>English:</b> Proficient, <b>Japanese:</b> Elementary

## **RELEVANT COURSEWORKS**

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### **Graduate Level:**

- Seminar on Nature, Power, and Marx
- Seminar on Arts and Geography
- Qualitative Methods in Geography
- Web Mapping (html, Javascript, Mapbox)
- Research Design
- Theory and Practices in Geography
- Seminar on Critical Remote Sensing
- ArcGIS I (ArcPro & ArcPy)

### **Undergraduate Level:**

- Geographic Inquiry
- Natural Hazards (Capstone Project)
- Spatial Numerical Analysis (ArcPy)
- Travels in Typography
- Disease, Disaster, and Other Killers
- Epidemiology: People, Places, Disease
- Principles of Geocomputing (Python)
- Web Design (html)
- Intro. to Computing Systems (C++)
- Storytelling and Design
- Introduction to Design Thinking
- Principles of GIScience (ArcPro)
- Principles of Cartography (ArcPro)
- Environ. Systems and Global Change
- World Population
- Design and Visual Presentation (Adobe)
- Global Stories of Education
- Geographies of Travel / Tourism
- Cities, Citizens, and Communities
- Biogeography
- Globalization Geography
- Introduction to Drawing
- Japanese, Piano, & Self-defense