

Jingyuan Zhang

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Education Background

Bachelor of Science, *Sep. 2016 – Jun. 2020*

Geographic Information Science (GIS), at **Nanjing University (NJU)**

GPA: **4.41/5** (core GPA 4.23 and academic bonus 0.18), **ranking: 7/30**

Work Experience

- **Front-End Developer (Intern), SF Technology July. 2020-Present**

Participated in developing a data-visualization program.

Research Experience

- **Research Assistant (undergraduate), International Institute for Earth System Science, Nanjing University. Adviser: Prof. Zhan Wenfeng Oct. 2017-June. 2020**

(2017-2018) Participated in the researches about the impacts of temporal upscaling methods on calculation of surface urban heat island intensity.

(2018-2019) *a.* Researched on urban thermal environment change during spring festival based on MODIS data. *b.* Participated in the research of spatio-temporal distribution of straw burning in China over 2014-2018.

- **Visiting Student, Remote Sensing & Spatial Analysis Lab, The Hongkong Polytechnic University. Adviser: Dr. Zhu Xiaolin Aug. 2019-Oct. 2019**

Learned about high spatiotemporal fusion of remote sensing data and attempted to downscale land surface temperature and describe finer urban heat island boundaries in this way. An SCI paper is in preparation.

- **Research Intern, Digital Humanities & Hypermedia GIS Lab, Nanjing University. Adviser: Prof. Chen Gang Oct. 2018-May. 2019**

Researched on using Simultaneous Localization and Unity AR technology to build spatial and temporal visualization and virtual scenes. Applied this technology to a mobile application *The AR Map of the Japanese-built Comfort Stations in Nanjing*. A software copyright has been obtained.

- **Research Intern, Big Data and Smart City Research Innovation Lab, Jiangsu Institute of Urban Planning and Design. July. 2018-Oct. 2018**

Researched on the street space vitality measurement and influence factors.

Publications

- **Zhang Jingyuan**, Yang Xuhong, Tu Xinmeng, et al. **Spatio-temporal distribution of straw burning in China over recent 5 years**[J]. Transactions of the Chinese Society of Agricultural Engineering.2019,35(19):191-199 (in Chinese with English abstract)

- Tu Xinmeng, Yang Xuhong, **Zhang Jingyuan**, et al. **Analysis of geospatial characteristics of straw burning in China**[J]. Geographical Research. (accepted) (in Chinese with English abstract)
- Yang Xuhong, Tu Xinmeng, **Zhang Jingyuan**, et al. **Spatial and temporal patterns of open straw burning in China from 2014 to 2018**[J], Renewable Energy (under review)
- Jiang Jinliang, **Zhang Jingyuan**. **Research on the street space vitality measurement and influence factors based on multi-source data**[A]. Paper Collection of Urban development and Planning[C]. Chinese Society for Urban Studies, 2019:115. (in Chinese with English abstract)
- Peng Yunzhu, Zhang Yifan, Ye Ruiheng, **Zhang Jingyuan**. **Digital Construction of "Comfort Women" Public Trauma Memory——Taking "The AR Map of the Japanese-built Comfort Stations in Nanjing" As Case Study**[J]. Library Tribune, 2020(in Chinese with English abstract)

Honors & Awards

Award: Advanced Individuals in Community Activities of Nanjing University	2019
Award: First-class Award of China Geographic Information Technology Innovation and Entrepreneurship Competition	2019
Scholarship: “Long Teng” Motivational Scholarship	2019
Award: Excellent League Member of Nanjing University	2018
Scholarship: Artistic Innovation’s Scholarship of Nanjing University	2018
Scholarship: People's Scholarship of Nanjing University	2018
Award: Third-class Award of National University Students’ Marine Knowledge Competition	2017

Leadership & Activities

- **Nanjing University “Brushstroke” Painting Club | Co-founder and President**
Established an efficient operating system for the agency. Taught Art and organized painting events for more than 250 agency members.
 - **Student Union of the School of Geographic and Oceanographic Sciences | Core Member**
Organized *Student Evening Party* and other events. Engaged in popular science work with new media.
 - **Spring Festival Railway Transport Volunteers | Excellent Volunteer**
Participated in volunteer activities at the train station and helped people who need help during the Spring Festival.
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Programming Skills

Front-End: JavaScript, React/Redux, Vue/Vuex

Back-End: C#

Web Map: Openlayers, Leaflet, ArcGIS API

Scientific Computing: Python, MATLAB