

Ryan (Zhenqi) Zhou

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Mobile: 7163069590
Email: zhenqizh@buffalo.edu
Website: www.ryanzhenqizhou.site
Address: 140 Wikeson Quad, Buffalo, NY 14261

EDUCATION EXPERIENCE

2021 - Present **Ph.D. (Geography)**
University at Buffalo - SUNY, USA
Supervisor: Prof. Yingjie Hu
2018 - 2021 **Master of Engineering (Landscape Architecture)**
Nanjing Forestry University, China
2014 - 2018 **Bachelor of Agriculture (Landscape Gardening)**
Zhejiang A&F University, China

RESEARCH & WORK EXPERIENCE

August 2021 – Present **Research Assistant to Prof. Yingjie Hu**
GeoAI Lab, Department of Geography, University at Buffalo - SUNY, USA
August 2020 - October 2020 **Spatial data analyst (Intern)**
MetroDataTech
September 2018 – June 2021 **Research Assistant to Prof. Zhen Xu**
School of Landscape Architecture, Nanjing Forestry University, China

SERVICE

October 2021 – Present **Co-host**
GISalon, GISphere (Student academic organizations), USA

SKILLS & COMPETENCIES

- GIS, spatial analysis, statistical analysis, machine learning
- Landscape design and planning
- Well versed in using Python, R, ArcGIS Pro, Photoshop, InDesign, CAD, Sketchup, Lumion, etc.

PUBLICATIONS

- 2022** **Zhou, R.Z.**, Hu, Y., Tirabassi, J., & Ma, Y. Deriving neighborhood-level diet and physical activity measurements from anonymized mobile phone location data for enhancing obesity estimation. Under preparation.
- 2021** **Zhou R.Z.**, Xu Z., Liu A., Zhou S., Mu L., & Zhang X. (2021): Mapping the accessibility of medical facilities of Wuhan during the COVID-19 pandemic. *International Journal of Geo-Information*, 10(5), 318. DOI: <https://doi.org/10.3390/ijgi10050318>
- 2021** Xu Z., **Zhou R.Z.**, Wang Y., Han L., & Xing J. (2021): Analysis on walking shed in comprehensive parks and urban form from a Park-City perspective. *City Planning Review*, 45(03), 81-90 (in Chinese).
- 2021** Xu Z., Liu A., **Zhou R.Z.**, & Han L. (2021): Analyzing and scenarioizing walking routes and urban context of middle school students with Baidu Map: a case study of Jianye District of Nanjing. *Modern Urban Research*, 2, 33-40+91 (in Chinese).
- 2021** Xu Z., Gao Z., **Zhou R.Z.**, & Zhang J. (2021): Research on campus sitting space: a case study of Nanjing Forestry University. *Modern Urban Research*, 4, 30-35 (in Chinese).
- 2020** **Zhou R.Z.** & Xu Z. (2020): Detecting the pedestrian shed and walking route environment of urban parks with open-source data: a case study in Nanjing, China. *International Journal of Environmental Research and Public Health*, 17(13), 4826. DOI: <https://doi.org/10.3390/ijerph17134826>

- 2020** Liu A., Kelobonye K., **Zhou R.Z.**, Xu Q., Xu Z., & Han L. (2020): School commuting mode shift: a scenario analysis for active school commuting using GIS and online map API. *International Journal of Geo-Information*, 9(9), 520. DOI: <https://doi.org/10.3390/ijgi9090520>
- 2020** Zhang J., **Zhou R.Z.**, & Xu Z. (2020): Suitability evaluation of university facilities layout based on demand characteristics: taking several universities in Nanjing as examples. *Modern Urban Research*, 4, 43-51 (in Chinese).

CONFERENCE & WORKSHOP PRESENTATIONS

- 2022** Poster presentation: Human mobility data demonstrates increase in park visitation since start of COVID-19 pandemic in Buffalo, New York. in the *American College of Preventive Medicine (ACPM) 2022 annual meeting*, Jun. 15-18, 2022, Denver, Colorado, USA (Co-Author).
- 2022** Poster presentation: Mapping the accessibility of medical facilities of Wuhan the COVID-19 pandemic. in the *University Consortium for Geographic Information Science (UCGIS) Symposium 2022*, Jun. 7-9, 2022, Syracuse, New York, USA.
- 2022** Oral presentation: The role of place visits related to diet and physical activity from mobile phone location data in enhancing obesity estimation at the neighborhood level. in the *Graduate Student Lightning Talks, Spring 2022 Colloquium Speaker Series, UB Department of Geography*, Feb. 18, 2022, Buffalo, New York, USA.
- 2019** Poster presentation: Measuring the walkability around the urban parks: a case study of Nanjing. in the *16th International Conference on Urban Health*, Nov. 4-8, 2019, Xiamen, Fujian, China.
- 2019** Poster presentation: Mapping the service area and population of urban parks for park city initiative: a case study of Nanjing. in the *16th International Conference on Urban Health*, Nov. 4-8, 2019, Xiamen, Fujian, China.
- 2019** Oral presentation: Old community renovation based on data analysis. in the *9th Summer Workshop DigitalFUTURES YOUNG Forum 2019—Architectural Intelligence held at the School of Architecture and Urban Planning (CAUP), Tongji University*, Jun. 30 to Jul. 6, 2019, Shanghai, China.
- 2019** Poster presentation: Intelligence and Strategy of Urban Deduction—Spark Planning (UrbanGAN). in the *9th Summer Workshop DigitalFUTURES SHANGHAI 2019—Architectural Intelligence held at the School of Architecture and Urban Planning (CAUP), Tongji University*, Jun. 30 to Jul. 6, 2019, Shanghai, China (Co-Author).
- 2019** Oral presentation: Social Loop, loops to connect city and communities. in the *International Digital Urban Design Week held by International Society of City & Regional Planners (ISOCARP) and Southeast University*, Jun. 10-15, 2019, Nanjing, Jiangsu, China.
- 2018** Poster presentation: The urban community agriculture practices in Chinese cities: case studies in Nanjing. in the *15th International Conference on Urban Health*, Nov. 27-30, 2018, Kampala, Uganda, Africa (Co-Author).

AWARDS & GRANTS

- 2022** NSF Research Experience for Graduates (REG) Grant, by Human-Environment and Geographical Sciences (HEGS) program in the National Science Foundation's (NSF).
- 2021** Outstanding graduate, by Nanjing Forestry University.
- 2020** Funding ‘Postgraduate Research & Practice Innovation Program of Jiangsu Province (KYCX20_0893)’, PI, by Education Department of Jiangsu.
- 2020** National Scholarship, by Education Department of China.
- 2020** The Candidate of National Top 10 Graduate Students of Academy of Forestry, by China Education Association of Forestry.
- 2020** Merit Student Award, by Nanjing Forestry University.
- 2020** First-class Scholarship, by Nanjing Forestry University.
- 2019** Best Project Award, International Digital Urban Design Week held by International Society of City & Regional Planners (ISOCARP) and Southeast University in Nanjing.
- 2019** Second-class Scholarship, by Nanjing Forestry University.
- 2017** Third-class Scholarship, by Zhejiang A&F University.
- 2016** Second Prize, 4th ZAFU Career Planning Competition, by Zhejiang A&F University.
- 2015** Third Prize, 4th ZAFU ‘Beautiful Village’ Design Competition, by Zhejiang A&F University.