HAOYU YUE 岳皓宇

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EDUCATION

University of Washington, *Seattle, WA*   *Expected 06/2022*

Master of Urban Planning, Specialize in Urban Informatics

- Relevant Coursework: Urban Climate Solutions, Database System, Infrastructure Planning and Finance, Planning Theory, Urban Science, Geospatial Data Analysis, Urban Economics

Central South University, *Changsha, P.R.C.*   *09/2015-06/2020*

Bachelor of Engineering, Urban and Rural Planning

- Relevant Coursework: Principles of Urban and Rural Planning, Urban Geography, Urban GIS, Quantitative Research Methods, Environmental Planning

INTERNSHIP & WORK EXPERIENCE

Urban Infrastructure Lab, *University of Washington, Seattle, WA*

Research assistant   *06/2021-Present*

- Conduct thorough literature reviews, research design, and data analysis for research projects, including one about carbon emission in Seattle and one about climate justice in Bay Area.

Urban China Magazine, *Shanghai, P.R.C.*

Oversea city observer   *03/2021-Present*

- Implement my field experience to write articles for the magazine on the topic of "overseas cities" where the focus was on the space and planning systems between different institutions.

Shenzhen Urban Planning & Land Resource Research Center, *Shenzhen, P.R.C.*

Land use policy and planning intern   *06/2020-08/2020*

- Execute regression and spatial analysis via SPSS and ArcGIS to facilitate components of *Shenzhen Comprehensive Territorial Spatial Planning* and other land use planning.
- Complete the technical sections of the tender documents for several planning projects.

RESEARCH EXPERIENCE

"Does California Climate Funding Intensify Green Infrastructure Gentrification?"

Master's Thesis: Prof. Jan Whittington, Prof. Arthur Acolin   *10/2021-Present*

- Perform thorough literature reviews and foster a deeper understanding of gentrification and green infrastructure investments.
- Collect carbon investment, property value, and socio-economic information datasets.
- Apply regression analyses to estimate the extent to which changes in property values and demographics that are associated with gentrification are related to green investment.

Effects of Zoning and Land Use Policies on Land Value and Densification in Seattle

Collaborated with: Prof. Christine Bae, and other PhDs   *06/2021-Present*

- Utilize Python and QGIS to clean, connect, and analyze different datasets, including decimal census data, King County Assessor dataset, parcel information, and parcel upzoning records.

- Evaluate the effects of policies via OLS and Difference-in-Difference models.

Economic Resilience During COVID-19: An Insight from Permanent Business Closures

Collaborated with: Prof. Wei Zhai   *06/2021-08/2021*

- Foster a deeper understanding of the open and closure situations of commercial business in the United States via the Points of Interest (POIs) dataset.
- Clean, process, visualize data and interpret the results.

Examining the Unequal Impacts of Urban Green Space on the COVID-19 Spread Using Geographically Weighted Panel Regression

Advisor: Prof. Wei Zhai   *08/2020-08/2021*

- Prepared literature reviews on urban green space justice, COVID-19, and public health.
- Assisted in modeling and visualizing the model, interpreted results, and wrote the discussion.

Suitability of Regional Carbon Neutral and Its Application in Urban Planning

Advisor: Prof. Liyun Liu   *9/2017-09/2019*

- Constructed suitability index to understand the carbon emission and sink in the Yangtse Delta region via the night-light dataset, NDVI dataset, and a variety of social-economic datasets.

PUBLICATIONS AND CONFERENCE PRESENTATIONS

- Zhai, W., & **Yue, H**., The Impact of Post-Hurricane Recovery Strategy on House Recovery Based on Google Street View Image: Hurricane Michael in Florida in 2018 as the Example. *Journal of Human Settlements in West China*. Accepted. (In Chinese)
- Bae, C., Sa, B., Guida, E. & **Yue, H**. "Effects of Zoning and Land Use Policies on Land Value and Densification in the City of Seattle", *Annual Conference of the Association of Collegiate Schools of Planning*, Online, October 21, 2021.
- Zhai, W., & **Yue, H**. (2021). Economic Resilience During Covid-19: An Insight from Permanent Business Closures. *Environment and Planning A: Economy and Space*, 0308518X2110551. https://doi.org/10.1177/0308518X211055181
- Zhai, W., **Yue, H**., Deng, Y., Bai, X. Examining the Unequal Impacts of Urban Green Space on the COVID-19 Spread Using Geographically Weighted Panel Regression. *Applied Geography*. Accepted.

HONORS AND AWARDS

- Urban Design and Planning Student Scholarship Fund (2021): University of Washington
- Annual Student Scholarship Fund (2016-2019): Central South University
- Esri GeoDesign Prize (2018): Esri, Chinese Society for Geodesy, Photogrammetry, and Cartography

SKILLS

- Data Analysis: Excel, SPSS, Python, R, C, ArcGIS, QGIS
- Data Management and Visualization: SQL, Microsoft Azure, Linux, GitHub, Adobe Creative Cloud Suite, Microsoft Office Suite
- Languages: Chinese (native), English (fluent)