

Yuquan Zhou

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EDUCATION

Master of City Planning (2019-2021)

Department of City and Regional Planning (DCRP), College of Environmental Design, University of California, Berkeley

GPA: 4.0/4.0

- Coursework: Active Transportation, Urban Informatics and Visualization, Economic Analysis for Planning, Sustainable Community, Healthy cities, Environmental Planning and Regulation, Planning Method Gateway I & II and etc.
- Graduate Certificate in Applied Data Science (in progress)
- Graduate Certificate in Geographic Information Science and Technology (in progress)

Bachelor of Engineering in Urban and Rural Planning (2014-2019)

Department of Urban and Regional Planning, School of Geography and Planning, Sun Yat-Sen University

GPA:4.0/4.0, ranking 2/38

- Coursework: Urban Transportation, Transportation Geography, RS & GIS, Urban Environment and Urban Ecology, Project Design and Feasibility Study, Statistical Technology and Method, Computer Aided Design and etc.
- Minor Certificate in Japanese

PUBLICATIONS

1. **Y. Zhou**, Y. Yuan*, Y. Chen, S.Lai. Association pathways between neighborhood greenspaces and the physical and mental health of older adults —— a cross-sectional study in Guangzhou, China. *Frontiers in Public Health*, 2020, 8:539. doi:<https://doi.org/10.3389/fpubh.2020.551453>. **(English)**
2. S. Lai, **Y. Zhou***, Y. Yuan*. Association Pathways between Community Cohesion and Subjective Wellbeing of Elderly in Guangzhou, China—A Cross-sectional Study based on Structural Equation Model. *International Journal of Environmental Research and Public Health*. (in submission, English)
3. S. Wang*, Y. Huang, **Y. Zhou**. Spatial spillover effect and driving forces of carbon emission intensity at the city level in China. *Journal of Geographical Sciences*, 2019, 29(2): 231-252. doi:<https://doi.org/10.1007/s11442-019-1594-1> **(English)**
4. S. Wang*, J. Wang, **Y. Zhou**. Estimating the effects of socioeconomic structure on CO2 emissions in China using an econometric analysis framework. *Structural Change and Economic Dynamics*. 2018, 47: 18–27. doi:<https://doi.org/10.1016/j.strueco.2018.07.001> **(English)**
5. Y. Chen, Y. Yuan*, **Y. Zhou**, Y. Liu. The Neighborhood Effect of Exposure to Green and Blue Space on the Elderly's Health: A Case Study of Guangzhou, China. *Scientia Geographica Sinica*.2020 (in Chinese)
6. J. Lin, **Y. Zhou**, Y. Yuan*, Y. Liu. Neighborhood Effects on Residents' Health and its difference: Structural Equation Model Analysis based on 28 Communities in Guangzhou. *Modern Urban Research*,2020(04):9-17. **(Chinese)**
7. S. Lai, **Y. Zhou**, Y. Yuan*. Comparative Research on Characteristics and Formation Mechanism of Megacity's Urban and Rural Aging Communities——Based on Taipingdongjin community and Huangshatang Village in Guangzhou. *Modern Urban Research*, 2019(02):15-22. **(Chinese)**
8. G. Li*, Q. Zhu, Y. Liu, **Y. Zhou**. Evolution Characteristics and Model of Rural Settlements in Guangzhou City. *Areal Research and development*, 2018,37(04):156-161. **(Chinese)**
9. J. Chen, **Y. Zhou**, S. Wang*, Interactive coupling relationship of urban nature-production-social system based on Niche Theory: A case study of Guangzhou city. *Journal of Subtropical Resources and Environment*, 2017,12 (2): 65-75. **(Chinese)**

INTERNSHIPS

DCRP Summer Planning Internship, <i>Berkeley Office of Economic Development & Communities for a Better Environment, in the United States</i>	06/2020-08/2020
Planning Internship, <i>Guangdong Urban & Rural Planning and Design Institute, in China</i>	10/2018-01/2019
Mitacs Research Internship, Queen's University, <i>Department of Geography and Planning, in Canada</i>	07/2018-10/2018
Sino-Dutch Integrated Geographical Internship, <i>SYSU & Utrecht University, in Netherlands</i>	10/2017
Vancouver summer program, <i>UBC School of Architecture and Landscape Architecture, in Canada</i>	07/2017-08/2017
Sino-Japanese urban geography cooperation internship, <i>SYSU & Kanazawa university, in Japan</i>	02/2017
the 8 th National Geography Joint Field Practice, <i>China National Science Talent Base, in China</i>	07/2016-08/2016

CORE SKILLS

Computer skills:

- Analysis: ArcGIS, Python, SPSS, STATA, and Amos, etc.
- Drawing: Adobe Illustrator, Photoshop, In Design, Rhino, V-ray, Lumion, Key shot, Sketchup AutoCAD, and etc.

Language skills:

- Fluent in English: TOFEL 111, GRE verbal 162, quantities 170, writing 3.5.
- Expert in Chinese (Mandarin and Cantonese) Proficient in Japanese: N4 certificate.

RELEVANT PROJECTS

Berkeley Fiscal Analysis: COVID-19 Impact

California, United States

Project Member of the Analysis Team, Berkeley Office of Economic Development & UC Berkeley

06/2020-08/2020

- Analyzed and visualized the close and open rate of each business category in Berkeley using Python
- Mapped of the business status within Berkeley's 10 Commercial Districts using ArcGIS
- Demonstrated our work using presentation to the Berkeley Office of Economic Development

Urban displacement project in Hong Kong

California, United States

Project Member of Research Workshop on Metropolitan Regional Planning, UC Berkeley

01/2020-05/2020

- Analyzed neighborhood change which have occurred in Hong Kong since 2001 using census data, and mapped the demographic and neighborhood changes using ArcGIS
- Interviewed scholars, government officers and non-profit organizers about the neighborhood change in Hong Kong and the role of Urban Renewal Authority (URA)
- Proposed policy recommendation to URA on redevelopment process and wrote a complete report

What factors are related to the fatal car accident rate in the neighborhood?

California, United States

Individual project of Planning Method Gateway II, UC Berkeley

01/2020-03/2020

- Conducted regression analysis using Python to explore the relationship between built environment (wayfinding aids, buffer width, traffic control and sidewalk widths) and car accidents rate
- SES status, road density and the presence of panhandles are categorized as control variables in the analysis
- Designed a complete report poster with planning policy recommendation

How neighborhood green space affects elderly individuals' physical and mental health? A case study of Guangzhou

Bachelor's thesis, Sun Yat-sen University (paper published)

Guangdong, China

- Conducted a sample of 972 elderly individuals' questionnaire survey
- From remote sensing image, field obtained street view data, extracted neighborhood NDVI, and green view ratio data
- Used Structural Equation Model and Multi-Group Analysis to explore that linkage pathway between neighborhood green space and senior's mental and physical health

Ontario, Canada

Age-friendly Communities—Age-Friendly for Whom?

07/2018-10/2018

Project member, Mitacs Globalink research internship, Queen's University

- Analyzed how the changing geography, socio-demographics and public policies of Canada satisfy the needs of senior citizens and shape a harmonious and age-friendly community
- Analyzed diverse age groups in Kingston, Toronto, Saskatoon, Brampton and categorized them into different groups with both positive and negative characteristics

CONFERENCES ATTENDED

Best in Building Health 2020, San Francisco, United States (*volunteer*)

02/2020

Pre-Conference Workshop on Health, Healthcare and the Environment, Kingston, Canada (*volunteer*)

08/2018

China Population Geography Academic Annual Meeting, Shanghai, China (*paper submitted*)

06/2018

AWARDS

Master of City Planning Fellowship, DCRP, UC Berkeley (two times)

09/2020, 02/2020

Award for the Best Team to win Survey China Scholarship, China

01/2018

Excellent Student Cadre, Sun Yat-sen University

06/2017

First Prize in the 2nd National Geographic Science Show Competition, China

10/2016

Scholarship for outstanding students, Sun Yat-sen University (four times)

11/2015, 11/2016, 11/2017, 11/2018