Jasmine Siyu Wu

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EDUCATION

2023-27 (Exp.)	**University of Pennsylvania**
	Doctor of Philosophy in City and Regional Planning
	Weitzman Fellow
2021-23	**University of Pennsylvania**
	Master of City Planning
	GPA 3.97/4.0
	Witte-Sakamoto Family Prize
2017-21	**University of Southern California**
	Bachelor of Science in GeoDesign, Minor in Architecture
	GPA 4.0/4.0
	Discovery Honors
	Departmental Honors

AWARDS

2022	FHWA Dwight David Eisenhower Transportation Fellowship
	ACSP Ed McClure Award for Best Masters Paper Award
	UPenn Witte-Sakamoto Family Prize
	WTS Philadelphia Vision for Equity Award
2021	USC Emma Josephine Bradley Bovard Award
	USC Academic Achievement Award
2020	USC Irving & Jean Stone Endowed Scholarship
	USC Academic Achievement Award
	USC Undergraduate Summer Internship Scholarship
2019	USC Goldman Family Scholarship Award
	USC Undergraduate Research Associates Program
	USC Summer Undergraduate Research Fellowships

RESEARCH INTERESTS

Transportation planning: access, safety, and urban mobility

Urban informatics and spatial data sciences

Public health and equity

RESEARCH EXPERIENCE

5/2023–
Present
University of Pennsylvania Commuter Travel Survey (2023) Research Project

University of Pennsylvania Center for Safety Mobility & PennPraxis, Philadelphia, PA

Led by Dr. Megan Ryerson and Prof. Michael Fichman to analyze University of Pennsylvania Commuter Travel Survey 2023 data, profile Penn commuter behaviors regarding sustainable development, compose final report and technical document, and presente the findings to the University admin offices (Ongoing).

9/2021–
Present
Disparities in Teens' Access to Driving Training

University of Pennsylvania Center for Safety Mobility, Philadelphia, PA

Supervised by Dr. Megan S. Ryerson at UPenn to identify disparities in access to driver's education and understand inequities in access to teen driver's education, which imply mobility and transportation safety barriers to teen drivers. Employed different quantitative methods to locate geographies of low driving training access in Columbus, OH MSA and modeled factors associated with teen's completion of driving training using R (Ongoing).

1/2021–
5/2021
Literature Review of Pedestrian Safety in Geodesign

University of Southern California Spatial Sciences Institute, Los Angeles, CA

Directed by Dr. Robert Vos at USC to review literature regarding pedestrian safety, urban planning, civil engineering, and geodesign. Wrote a literature review paper to propose applications of geodesign in improving pedestrian safety to supplement traditional urban planning and civil engineering approaches.

3/2020–
1/2022
Landscape of Health Behavior Bads Project

University of Southern California Spatial Sciences Institute, Los Angeles, CA

Processed spatial data of health behavior outlets as well as demographic groups in California to examine health equity. Created a reproducible spatial–analytical model for analyzing the potential equity implications of health behavior bads.

2019
Licensed and Unlicensed Cannabis Retailers Project

University of Southern California Spatial Sciences Institute, Los Angeles, CA

Examined and visualized the prevalence and concentration of licensed and unlicensed marijuana retailers and health justice issues in California.

2019
Operation Smile Research Project

University of Southern California Spatial Sciences Institute, Los Angeles, CA

Analyzed spatial data of historic patients and represented by maps, charts, and reports to Operation Smile, a nonprofit medical service organization providing life-saving reconstructive cleft and palate surgeries worldwide.

PROFESSIONAL EXPERIENCE

2/2020– **Professional Student Worker: GIS/Data Analyst**
5/2021   Los Angeles Department of Transportation, Los Angeles, CA

Provided analytical support for different programs of Vision Zero, the data-driven initiative to eliminate traffic fatalities in Los Angeles by 2025. Duties included analyzing and visualizing spatial data for Vision Zero Priority Corridors, the Al Fresco Program, and Safe Routes to School.

PUBLICATIONS

Articles in Peer-Reviewed Journals

2023   Dong, Xiaoxia, **Jasmine Siyu Wu**, Elizabeth A. Walshe, Flaura K. Winston, and Megan S. Ryerson. "Residing in a Driver Training Desert leads to Delayed Licensure: Investigating the Relationship between Accessibility to Driver Training and Young Driver's Licensure" *Findings* (2023). doi.org/10.32866/001c.85096

2023   Dong, Xiaoxia, **Jasmine Siyu Wu**, Shane T. Jensen, Elizabeth A. Walshe, Flaura K. Winston, and Megan S. Ryerson. "Financial status and travel time to driving schools as barriers to obtaining a young driver license in a state with comprehensive young driver licensing policy" *Accident Analysis and Prevention* 191 (2023): 107198. doi.org/10.1016/j.aap.2023.107198

2022   Ryerson, Megan, Joshua Davidson, **Jasmine Siyu Wu**, Ilil Feiglin, Flaura Winston. "Identifying community-level disparities in access to driver education and training: Toward a definition of driver training deserts" *Traffic Injury Prevention* (2022): 2125305. doi.org/10.1080/15389588.2022.2125305

2020   Unger, Jennifer B., Robert O. Vos, **Jasmine Siyu Wu**, Kimberly Hardaway, Ada Y. Li Sarain, Daniel W. Soto, Christopher Rogers, and Jane Steinberg. "Locations of Licensed and Unlicensed Cannabis Retailers in California: A Threat to Health Equity?" *Preventive Medicine Reports* 19 (2020): 101165. 10.1016/j.pmedr.2020.101165

Manuscripts in Preparation

2023   **Wu, Jasmine S.**, Xiaoxia Dong, Megan Ryerson. "Understanding Teens Drivers' and Non-Teen Drivers' Interactions with the Socioeconomic and Built Environment of Crash Locations: Ohio as An Example" *Transportation Research Record*. Fall 2023.

2023   **Wu, Jasmine S.**, Xiaoxia Dong, Elizabeth Walshe, Flaura Winston, Megan Ryerson. "Understanding Links Between Teens' Access To Driver Education and Safe Driving Skills Development: Evidence from the State of Ohio" *Urban Findings*. Summer 2023.

2023   **Wu, Jasmine S.**, Robert O. Vos, Mengya Xu, Orhun Aydin, Jennifer Unger, Jane Steinberg. "Landscape of Health Behavior Bads and Social Equity" *Health and Place*. Summer 2023.

CONFERENCE ACTIVITY

2023   Presenter. "Mobility Disparities in Access to Early Licensure for Teens: Towards a Definition of Driving Training Deserts" Transportation Research Board Annual Meeting. In-Person. January 11.

2022	Presenter. "Identifying community-level disparities in access to driver education and training: Toward a definition of driver training deserts" The Association for Advancement of Automotive Medicine' Annual Meeting. In-Person. October 12.
2021	Presenter. "The Landscape of Health Behavior Bads in Greater Los Angeles: Estimating Population Exposure with Local Colocation Quotients (LCLQ)" The American Association of Geographers' Annual Meeting. Virtual. April 10.
2020	Presenter. "Locations of Licensed and Unlicensed Cannabis Retailers in California: A Threat to Health Equity?" The American Association of Geographers' Annual Meeting. Virtual. April 6-10.

TEACHING EXPERIENCE

University of Pennsylvania

Graduate Teaching Assistant

2023 Fall	CPLN 550: Introduction to City and Regional Planning: History, Theory, and Contemporary Practice
	Held office hours, assisted grading, guided walking tours, and facilitated discussion sessions.
2022 Fall	CPLN 650: Transportation Planning Methods
	Held office hours, assisted grading, led lab sessions, and coordinated guest lectures.

ORGANIZATIONS

2023-Present	Social Media Lead (Board) of WTS Philadelphia Student Chapter
2021-Present	Student Member of American Planning Association
2021-Present	Student Member of USC chapter of Gamma Theta Upsilon
2021-Present	Student Member of USC chapter of Phi Beta Kappa
2022-23	Student Member of Association for Advancement of Automotive Medicine
2022-23	Co-President and treasurer of Penn Transportation Club
2020-21	Member of American Association of Geographers
2019-21	Vice President of USC Chinese Student and Scholar Association

SKILLS

Languages	English (Advanced), Mandarin (Native)
Programming	Python, R, SQL, Latex
Software	ArcGIS Pro/Online/Desktop, MS SQL Server Database, PostgreSQL/PostGIS RStudio, Anaconda, PyCharm, Jupyter Notebook Adobe (Photoshop, InDesign, Illustrator), AutoCAD, Sketchup, Rhino VISUM, VISSIM