Shenyue Jia

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I research how climate change impacts disaster response and public health systems. I am dedicated to **advocating for international students and early career scholars in the U.S.** to increase awareness and ultimately develop solutions to challenges this unique population faces while studying and working in the U.S. I am **well-versed in the resources** available from **AGU** and the challenges AGU faces through my active engagement in **4 AGU programs** encompassing community science, science policy, and **AGU annual meeting organization over the past 4 years**. I will be your best representative to identify and advocate for more support if you are a student or early career scientist!

EDUCATION

2017	Ph.D. in Geography; University of California, Los Angeles	Los Angeles, CA USA
2011	M.S. in Cartography & GIS; Nanjing University	Nanjing, China
2008	B.S. in GIS; Nanjing Normal University	Nanjing, China

PROFESSIONAL APPOINTMENTS

2023-Present	Miami University (Oxford, OH)	*Assistant Professor*
2021-2022	CrisisReady	*Data Scientist*
2017-2021	Chapman University	*Visiting Scholar*
2017	University of California, Los Angeles	*Research Associate*

ADVOCACY, SERVICE, AND VOLUNTEER

2024-Present	AGU Local Science Partner
2023-Present	AGU Annual Meeting Program Committee Member (Science and Society Section)
2023-Present	Miami University Center for Data Analytics and Science Fellow
2023	AGU Voices for Science Policy Track Fellow
2022-2023	AGU Thriving Earth Exchange Community Science Fellow
2018-2021	IEEE Geoscience and Remote Sensing Society
	Metropolitan Los Angeles Chapter Early Career Professional Representative

RECENT AWARDS AND HONORS

2024	Natural Hazards Engineering Research Infrastructure (NHERI) Summer Institute Travel Award ($1,800)
2024	Science Communications Identities Project Fellowship ($5,000)
2023	NASA/ESIP UNBOUND Air Quality Workshop Stipend ($2,500)
2022	Chapman University Research Publication Award ($500)
2020	Future of Privacy Forum's Award for Research Data Stewardship (Honorable Mention)
2019	Urban and Regional Information System Association (URISA) Dr. Marilyn O'Hara Ruiz Young Professional Scholarship ($1,000)

RECENT GRANTS

2024-2025	Miami University Humanities Lab ($10,000)

	The San Francisco Waterfront Through Time: New Tales of the City in a 3D Digital Model of a Changing Urban Landscape
2024	Miami University Center for Teaching Excellence Major Grant ($3,000)
2021-2023	Google.org ($80,000) *CrisisReady: Towards Data, Method, and Translational Readiness for Crowdsourced Data Application in Disaster Response & Public Health Services*

RECENT PROJECT

2022-2023 ***RiskAware (project story map)***

- **American Geophysical Union Thriving Earth Exchange Community Science project**
- Lead a team consisting of activists from a frontline community and experts from RTI International to support the legal actions initiated by grassroots forces against the intransparent decision-making process on the construction of the world's largest wood pellet plant

2021-2023 ***CrisisReady (crisisready.io)***

Developed ReadyMapper, a policymaker-friendly tool for disaster response to

- Identify hotspots and dominant directions of population displacement during major disasters
- Identify resource deserts for medically vulnerable populations amid disaster-induced power loss

2020-2022 ***Gateway Cities tree canopy improvement program (project link)***

- Derived a priority index to determine which parcels and blocks need to be prioritized in tree canopy improvement projects for frontline cities exposed to risk of health (air pollution, noise) along the corridor from Long Beach Harbor to Downtown Los Angeles

RECENT PUBLICATION

Laszewski, S., **Jia, S.**, Viner, J., Ho, W., Hoover, B., Kim, S. H., & Kafatos, M. C. (2024). Yearly population data at census tract level revealed that more people are now living in highly fire-prone zones in California, USA. Environmental Research Communications.

Schroeder, A., Dresser, C., Yadav, A., Chan, J., **Jia, S.**, Buckee, C., & Balsari, S. (2022). CrisisReady's Novel Framework for Transdisciplinary Translation: Case-studies in Wildfire and Hurricane Response. The Journal of Climate Change and Health, 100193.

Jia, S., Kim, S. H., Nghiem, S. V., Doherty, P., & Kafatos, M. C. (2020). Patterns of population displacement during mega-fires in California detected using Facebook Disaster Maps. Environmental Research Letters, 15(7), 074029. doi:10.1088/1748-9326/ab8847

Pincetl, S., Gillespie, T. W, Pataki, D. E, Porse, E., **Jia, S**., Kidera, E., Nobles, N., Rodriguez, J., & Choi, D. (2019). Evaluating the effects of turf-replacement programs in Los Angeles. Landscape and urban planning, 185, 210-22

Jia, S., Kim, S.H., Nghiem, S.V., Kafatos, M. Estimating Live Fuel Moisture Using SMAP L-Band Radiometer Soil Moisture for Southern California, USA. Remote Sens. 2019, 11, 1575.

MEDIA COVERAGE

2023	RiskAware and Community Science	AGU TV
2022	A Canopy of Data and Equity	Chapman Forward
2022	Data scientists are using the most annoying feature on your phones to save lives in Ukraine	Fortune
2020	The Value and Ethics of Using Phone Data to Monitor COVID-19	WIRED

PROFESSIONAL ORGANIZATION MEMBERSHIP

AGU (2015 - Present); IEEE Geoscience and Remote Sensing Society (2017-2021)