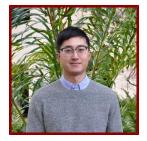
# Stanford



## Yougeng Lu

Postdoctoral Scholar, Biology

#### Bio

#### BIO

Yougeng Lu (he/him/his) is a Postdoctoral Scholar with the Natural Capital Project on developing urban nature exposure model. His research focuses on exploring the linkages between exposure to urban nature, such as green space and street trees, and individual's physical activity and mental health. Yougeng received his Ph.D. in Urban Planning and Development from the University of Southern California, where he developed a high spatiotemporal resolution PM2.5 prediction model with low-cost air sensors and studied how people's travel behavior affects their air pollution exposure. He holds an M.Sc. in Urban Planning from University of Washington, Seattle; and a B.Sc. in Geography from Wuhan University, China.

#### STANFORD ADVISORS

Gretchen Daily, Postdoctoral Faculty Sponsor

### **Publications**

#### PUBLICATIONS

• Urban street network design and transport-related greenhouse gas emissions around the world TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT

Boeing, G., Pilgram, C., Lu, Y. 2024; 127

• Assessing air pollution exposure misclassification using high-resolution PM2.5 concentration model and human mobility data AIR QUALITY ATMOSPHERE AND HEALTH

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• Impacts of distinct travel behaviors on potential air pollution exposure measurement error ATMOSPHERIC ENVIRONMENT

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• Where do people meet? Time-series clustering for social interaction levels in daily-life spaces during the COVID-19 pandemic *CITIES* Lu, Y., Giuliano, G.

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• Drive less but exposed more? Exploring social injustice in vehicular air pollution exposure. Social science research

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• Local inequities in the relative production of and exposure to vehicular air pollution in Los Angeles URBAN STUDIES Boeing, G., Lu, Y., Pilgram, C. 2023