Yin Liu

Department of Geography & Geographic Information Science
University of Illinois at Urbana-Champaign
1038 Natural History Building
1301 W Green St, Urbana, IL 61801
Email: yinl3@illinois.edu

EDUCATION

University of Illinois Urbana-Champaign   Urbana, IL
    Ph.D. Geography and GIScience   May 2026 (Expected)
    Advisor: Dr. Chunyuan Diao
University of Michigan   Ann Arbor, MI
    M.S. Environment and Sustainability & Data Science (Dual Degree)   May 2021
    Advisor: Dr. Meha Jain
China University of Geosciences (Wuhan)   Wuhan
    B.E. Remote Sensing Science and Technology   July 2019

HORNORS AND AWARDS

- **Best Geography and GIS Poster (Second Place)**, 2023 SESE research Review, University of Illinois at Urbana-Champaign, 2023.
- **Teacher Ranked as Excellent**, Center for Teaching Excellence, University of Illinois at Urbana-Champaign, 2022.
- **Student Illustrated Paper Competition Award (First Place)**, Remote Sensing Specialty Group, Annual Meeting of the Association of American Geographers, 2022.
- **Scholarship for CUG Talents**, China University of Geosciences (Wuhan), 2018.

JOURNAL PUBLICATIONS

- **Liu, Y.**, Diao, C., Yang, Z. (2023). CropSow: An integrative remotely sensed crop modeling framework for field-level crop planting date estimation. *ISPRS Journal of Photogrammetry and Remote Sensing*, 202, 334-355.
- **Liu, Y.**, P. Rao, W. Zhou, A.K. Srivastava, S. Poonia, B. Singh, D. Van Berkel, M. Jain. (2022). Using Sentinel-1, Sentinel-2, and Planet satellite data to map field-level tillage practices in smallholder systems. *PLOS ONE*, 17(11): e0277425.

CONFERENCE PUBLICATIONS

- **Liu, Y.**, Li, L., Chen, Q., Shu, M., Zhang, Z., Liu, X. (2017) Building Damage Assessment of Compact Polarimetric Sar Using Statistical Model Texture Parameter. In: *2017 SAR in Big Data Era: Models, Methods and Applications (BIGSARDATA)* (pp. 1-4): IEEE.

PRESENTATIONS

- **Liu, Y.**, Diao, C., Yang, Z. CropSow: an integrative remotely sensed crop modeling framework for field-level crop planting date estimation. Annual Meeting of the American Geophysical Union, Chicago, IL. December 12 - December 16, 2022.

- **Liu, Y.**, Diao, C., Yang, Z. CropSow: an integrative remotely sensed crop modeling framework for field-level crop planting date estimation. Annual Meeting of the Association of American Geographers, New York City, NY. February 25 - March 1, 2022.

RESEARCH EXPERIENCE

2022 - 2023	**Research Assistant** (University of Illinois at Urbana-Champaign, Remote Sensing Space-Time Innovation Lab). *NSF funded project: CAREER: Scalable Remote Sensing Computational Framework for Near-real-time Crop Characterization.*
2021 - 2022	**Research Assistant** (University of Illinois at Urbana-Champaign, Remote Sensing Space-Time Innovation Lab). *CropSow: an integrative remotely sensed crop modeling framework for field-level crop planting date estimation.*
2019 - 2021	**Student Researcher** (University of Michigan, Meha Jain's Lab). *Master thesis research: Using Sentinel-1, Sentinel-2, and Planet satellite data to map field-level tillage practices in smallholder systems.*
2019 - 2020	**Research Assistant** (University of Michigan, Meha Jain's Lab). *Systematic review: the effects of sustainable intensification on crop yield and environment.*
2017 - 2018	**Student Researcher** (China University of Geosciences, Information Engineering Lab). *Building damage assessment of compact polarimetric SAR using statistical model texture parameter.*

TEACHING EXPERIENCE

August 2022 - December 2022	**Teaching Assistant** (University of Illinois at Urbana-Champaign). *GGIS/ESE 379: Intro to GIS Systems*