

Corey Scher

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Department of Earth and Environmental Sciences
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Education

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| 2019- | City University of New York, Graduate Center
Ph.D. in Earth and Environmental Science |
| 2017-19 | City College of New York
M.Sc. in Geology |
| 2013-17 | University of California, Berkeley
Bachelor's Degree in Geology |

Teaching

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| 2022 | Applied Remote Sensing Training in Humanitarian Applications
National Aeronautics and Space Administration (NASA) |
| 2018- | Graduate Teaching Assistant
City College of New York |

Research Experience

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| 2018- | Graduate Research Fellow
Professor Charles Vörösmarty
Project: <i>Coastal Hypoxia Analysis and Risk Tracking (CHART) through Remote Sensing and Process-based Modeling in South and Southeast Asia</i> |
| 2018-2022 | Graduate Research Fellow
Professor Kyle McDonald
Ecosystem Science Lab
City College of New York |
| 2020 | Summer Intern
Dr. Erika Podest
NASA Jet Propulsion Laboratory |
| 2017-18 | Graduate Research Fellow |

Professor Maria Tzortziou
Land-Ocean-Atmosphere Interactions Lab
City College of New York

2017- **Research Affiliate**

Professor David Saah
Geospatial Analysis Lab
University of San Francisco

2016-17 **Undergraduate Research Apprentice**

Professor Laurel Larsen
Environmental Systems Dynamics Lab
University of California, Berkeley

Awards

2020 **Summer Maximizing Student Potential (SMSP) in STEM program**
Summer fellowship award recipient for internship at the NASA Jet Propulsion Lab

2019 **Travel Grant Recipient**
Conference: “Quest for Sustainability of Heavily Stressed Aquifers” Valencia, Spain

Publications

Scher, C., Steiner, N. C., & McDonald, K. C. (2021). Mapping seasonal glacier melt across the Hindu Kush Himalaya with time series SAR. *The Cryosphere*.

Conference Presentations

Scher, C., Van Den Hoek, J., (2022, December) *Decentralized, nation-wide, high-frequency war damage mapping using InSAR time series data*. Poster presentation at the Fall Meeting of the American Geophysical Union, Chicago, IL.

Scher, C., Steiner, N., McDonald, K., (2019, December). *Significant glacier surface melt detected across the Himalayas in synthetic aperture radar time series*. Oral presentation at the Fall Meeting of the American Geophysical Union, San Francisco, CA.

Scher, C., McDonald, K., Vorosmarty, C., Saah, D., (2019, October). *Monitoring sustainability of shared groundwater resources using satellite measurement of transboundary aquifer compaction*. Oral presentation at the American Geophysical Union Chapman Conference on the Quest for Sustainability in Heavily Stressed Aquifers at Regional to Global Scales, Valencia, Spain.

Scher, C., Saah, D., (2018, December). *Extent and characteristics of damage from wildfires caused by incendiary kites launched during protests of the Gaza-Israel barrier fence (March 2018 to present)*. Poster presented at the Fall Meeting of the American Geophysical Union, Washington, DC.

Scher, C., Saah, D., (2017, December). *Remote Monitoring of Groundwater Overdraft Using GRACE and InSAR*. Poster presented at the Fall Meeting of the American Geophysical Union, Washington, DC.

Scher, C., Larsen, L., Tennant, C., Bellugi, D., (2016, December). *Do rivers really obey powerlaws? Using continuous high resolution measurements to define bankfull channel and evaluate downstream hydraulic-scaling over large changes in drainage area*. Poster presented at the Fall Meeting of the American Geophysical Union, Washington, DC.