**Corey Scher**

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Department of Earth and Environmental Sciences

The Graduate Center, CUNY

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# Education

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| 2019- | **City University of New York, Graduate Center** |
|  | Ph.D. in Earth and Environmental Sciences |
| 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: *Coastal Hypoxia Analysis and Risk Tracking (CHART) through Remote Sensing and Process-based Modeling in South and Southeast Asia* |
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| 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

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| 2020 | **Summer Maximizing Student Potential (SMSP) in STEM program**  Summerfellowship 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.