

Curriculum Vitae

Dr. June Skeeter (they/them/theirs)

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Education

PhD Geography, University of British Columbia (UBC)	2023
<ul style="list-style-type: none">Using machine learning to identify and map controls of growing-season carbon dioxide and methane fluxes in the Mackenzie Delta region	
MsC Geography, University of South Carolina (USC)	2015
<ul style="list-style-type: none">Ammonium Concentrations Above a Louisiana Sugarcane Field	
BS Geography & BS Earth Science, Salisbury University (SU)	2013
<ul style="list-style-type: none">Minor in StatisticsGraduated Cum Laude	

Employment

Research Scientist: Natural Resources Canada	2024
<ul style="list-style-type: none">Leading Eddy Covariance (EC) Research Program in Western Canadian ArcticDeveloping open access tools to facilitate data processingAdvising territorial and indigenous governments on climate mitigation	
Postdoctoral Researcher: University of British Columbia (UBC)	2023-2024
<ul style="list-style-type: none">Automated, parallelized, and streamlined data processing pipelineImplemented and managed version control (git/github) for lab's codebaseManaged EC stations in Burn's Bog Ecological Conservancy AreaMentored graduate students	
Sessional Instructor UBC	2020-2024
<ul style="list-style-type: none">Microscale Weather and Climate: https://geos300.github.io/Atmospheric Environments: https://geos200.github.io/Geographic Information Science: https://geos270.github.io/	
Graduate Assistant UBC Library Research Commons	2020-2022
Teaching Assistant UBC Geography Department	2015-2019
Research Assistant University of South Carolina	2013-2015

Technical Skills

Programming & Markup Languages	Software & Applications	Field & Research Methods
Python (10+ yrs)	ArcGIS & QGIS (10+ yrs)	Machine Learning (5+ yrs)
Matlab	Git & GitHub (5+ yrs)	Eddy Covariance (10+ yrs)
R	Google Earth Engine	Image Classification
Javascript	Quarto	Process-based Modelling
CRBasic	Mapbox API	Footprint Modelling
HTML/CSS	Loggernet	Flux Chamber Sampling

Programming & Markup Languages	Software & Applications	Field & Research Methods
Markdown	Eddy Pro	Drone Surveying
Latex		

Publications

Peer Reviewed Articles

- Skeeter, J.**, Christen, A., & Henry, G. (2023). Modelling growing season carbon fluxes at a low-center polygon ecosystem in the Mackenzie River Delta. *Arctic Science*, 9(3), 689–709. <https://doi.org/10.1139/as-2022-0033>
- Skeeter, J.**, Christen, A., & Henry, G. H. R. (2022). Controls on carbon dioxide and methane fluxes from a low-center polygonal peatland in the Mackenzie River Delta, Northwest Territories. *Arctic Science*, 8(2), 471–497. <https://doi.org/10.1139/as-2021-0034>
- Skeeter, J.**, Christen, A., LaForce, A.-A., Humphreys, E., & Henry, G. H. R. (2020). Vegetation influence and environmental controls on greenhouse gas fluxes from a drained thermokarst lake in the western Canadian Arctic. *Biogeosciences*, 17(17), 4421–4441. <https://doi.org/10.5194/bg-17-4421-2020>
- Skeeter, J.**, Parnell, D. B., & Skeeter, B. R. (2016). A Fog Climatology of the Delmarva Peninsula. *The Geographical Bulletin*, 57(2), 65–75. <https://www.proquest.com/docview/1845101484/abstract/A0CE794EC54E4E8BPQ/1>
- Skeeter, J.** (2013). Using Radar Composites to Detect Variances in Precipitation from Cold Fronts Across the Chesapeake Bay: April Through October from 1997 to 2011. *Pennsylvania Geographer*, 51(1), 73–86.

Book chapter

- Skeeter, J.**, & Pickell, P. (2022). Chapter 3 Data Types and Spatial Data Models. In *Geomatics for Environmental Management: An Open Textbook for Students and Practitioners*. <https://www.opengeomatics.ca/types-of-data.html>

Presentations

Research Talks

- Skeeter, J.** (2023, December). Tools and Guidance for Applying Neural Networks to Eddy Covariance Data. San Francisco, CA. https://june-skeeter.github.io/NN_Applications/
- Skeeter, J.**, & Knox, S. (2023, May). A Framework for Applying Neural Networks to Eddy Covariance Data. Banff, AB.
- Skeeter, J.**, & Knox, S. (2023, April). Ongoing and Proposed Research in the Burns Bog Ecological Conservancy Area. Victoria, BC. https://ubc-micromet.github.io/BBECA_Work/
- Skeeter, J.** (2021, October). Compiling and Mapping Police Involved Deaths: Systemic Racism in Canadian Policing. Vancouver, BC.
- Skeeter, J.** (2021, April). Police Killings and Systemic Racism in Canadian Policing. *virtual.
- Ahmed, M., & **Skeeter, J.** (2019, October). How Can I Reduce My Carbon Footprint? Vancouver, BC.
- Skeeter, J.** (2018, April). Growing Season Carbon Balance of a Permafrost Peatland in the Mackenzie River Delta. Vienna, AT.
- Skeeter, J.** (2017, December). Growing Season Carbon Balance of a Mackenzie River Delta Peatland. Quebec City, QC.
- Skeeter, J.** (2017, May). Vegetation Influence and Environmental Controls on Greenhouse Gas Fluxes from a Drained Thermokarst Lake in the Mackenzie River Delta, NWT. Vancouver, BC.

- Skeeter, J.** (2016, December). Carbon Dioxide and Methane fluxes at Illisarvik 2016. Winnipeg, MB.
- Skeeter, J.** (2014, May). Identifying Source Areas of Ammonium Concentrations Sampled Above a Louisiana Sugarcane Field. Portland OR.
- Skeeter, J.** (2014, April). Identifying Source Areas of Ammonium Concentrations Sampled Above a Louisiana Sugarcane Field. Tampa, FL.
- Skeeter, J.** (2013, April). Fog Climatology of Salisbury, MD. Salisbury MD.
- Skeeter, J.** (2013, April). Using Radar Composites to Detect Variances in Precipitation from Cold Fronts Across the Chesapeake Bay: April through October from 1997 to 2012. Los Angeles CA.
- Skeeter, J.** (2013, April). Using Radar Composites to Detect Variances in Precipitation from Cold Fronts Across the Chesapeake Bay: April through October from 1997 to 2012. Los Angeles CA.

Guest Lectures

- Skeeter, J.** (2023, February). Open Source GIS. Vancouver, BC. <https://june-skeeter.github.io/OpenSourceGIS/>
- Skeeter, J.** (2022, March). Remote Sensing in Atmospheric Sciences. Vancouver, BC.
- Skeeter, J.** (2020, November). Data Normalization & Classification: Police Violence in North America. Vancouver, BC. <https://ubc-lib-geo.github.io/Data-Normalization-Classification/>
- Skeeter, J.** (2020, November). Remote Sensing in Atmospheric Sciences. Vancouver, BC.
- Skeeter, J.** (2017, July). Greenhouse Gas Exchange in the Outer Mackenzie Delta. Inuvik, NT.

Poster Presentations

- Skeeter, J.** (2018, April). Growing Season Carbon Balance of a Permafrost Peatland in the Mackenzie River Delta. Vienna, AT.
- Skeeter, J.** (2016, December). Carbon Dioxide and Methane fluxes at Illisarvik 2016. Winnipeg, MB.
- Skeeter, J.** (2014, November). Source Areas of Ammonium Sampled Above a Louisiana Sugarcane Field. Poster, Roanoke VA.
- Skeeter, J.** (2012, November). Using Radar Composites Created in Model Builder to Perform Statistical Analyses of Cold Frontal Precipitation Events in the Chesapeake Bay Region: April through October 1997-2011. Asheville NC.
- Skeeter, J.** (2011, October). The Possible Differing Influence of the Chesapeake Bay on Frontal and Squall Line Precipitation Events (April-October). College Park, MD.

Volunteer Work and Committee Positions

Western Director, Canadian Society for Agriculture and Forest Meteorology	2023 - 2024
Police Involved Deaths in Canada Database	2020 - 2022
Graduate Committee Representative, UBC Geography	2019 - 2020
Climate Consultant, EcoMeet App	2019
Co-chair, UBC Geography Graduate Student Association	2018 - 2018
USC Geography Departmental Outreach Committee	2018 - 2018

Awards

Open Educational Resource Champion, UBC Alma Mater Society	2022
Four-year Doctoral Fellowship, UBC	2015 - 2019
Graduate Assistanceship Award, UBC	2013 - 2015

Presidential Scholarship, SU	2009 - 2013
Four-time AAG World Geography Bowls All Star Team Member	2009 - 2013
Outstanding Graduating Senior Award, SU Geography	2013
Outstanding Academic Achievement Award, SU Geography	2013
1st Place Student Paper Mid Atlantic Division AAG Annual Meeting	2012
Donald Lee Schul Jr. Memorial Wrestling Scholarship, SU	2009
