

# Curriculum Vitae

Dr. June Skeeter (they/them/theirs)

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April 2, 2024

## Education

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

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## Employment

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Methane Physical Scientist: Natural Resource Canada	2024
Postdoctoral Researcher: UBC Micrometeorology	2023 - 2024
Sessional Instructor: UBC Geography Department	2020 - 2024
<ul style="list-style-type: none"><li>Microscale Weather and Climate <a href="#">Course Webpage</a></li><li>Atmospheric Environments: <a href="#">Course Webpage</a></li><li>Geographic Information Science: <a href="#">Course Webpage</a></li></ul>	
Graduate Academic Assistant:	2019 - 2022
<ul style="list-style-type: none"><li>UBC Library Research Commons</li><li>UBC School of Community and Regional Planning</li></ul>	
Teaching Assistant: UBC Geography Department	2015 - 2019
Research/Teaching Assistant: USC Geography Department	2013 - 2015
Lab Assistant: SU Geography Department	2010 - 2013

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## Technical Skills

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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 (5+ yrs)
R	Google Earth Engine	Image Classification
Javascript	Quarto	Process Based Modelling
CRBasic	Mapbox API	Footprint Modelling
HTML/CSS	Loggernet	Flux Chamber Sampling
Markdown	Eddy Pro	Drone Surveying

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## 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/](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/](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

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Western Director, Canadian Society for Agriculture and Forest Meteorology	2023 - Present
<a href="#">Police Involved Deaths in Canada Database</a>	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

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## Awards

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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

