

# Curriculum Vitae

Dr. June Skeeter  
they/them/theirs  
604 440 1697  
[june.skeeter@ubc.ca](mailto:june.skeeter@ubc.ca)  
<https://june-skeeter.github.io/>  
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## Education

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PhD Geography, University of British Columbia (UBC)	2022
<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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Postdoctoral Researcher: UBC Micrometeorology	2022 - 2023
Sessional Instructor: UBC Geography Department	
<ul style="list-style-type: none"><li>Atmospheric Environments: <a href="#">Course Webpage</a></li><li>Geographic Information Science: <a href="#">Course Webpage</a></li></ul>	2023 2020 - 2023
Field Assistant: UBC Micrometeorology	
Graduate Academic Assistant:	
<ul style="list-style-type: none"><li>UBC Library Research Commons</li><li>Vancouver Summer Program, UBC School of Community and Regional Planning</li></ul>	2020 - 2022 2019
Teaching Assistant:	
<ul style="list-style-type: none"><li>UBC Geography Department</li><li>USC Geography Department</li></ul>	2015 - 2019 2014
Research Assistant: USC Geography Department	2013 - 2015
Lab Assistant: SU Geography Department	2010 - 2013

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## Publications

### Peer Reviewed

- 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. Retrieved from <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*. Retrieved from <https://www.opengeomatics.ca/types-of-data.html#reflection-questions-2>

## Presentations

### Research Talks

**Skeeter, J.**, & Knox, S. (2023). A Framework for Applying Neural Networks to Eddy Covariance Data. In. Retrieved from [https://june-skeeter.github.io/NN\\_Applications/](https://june-skeeter.github.io/NN_Applications/)

**Skeeter, J.**, & Knox, S. (2023). Ongoing and Proposed Research in the Burns Bog Ecological Conservancy Area. In. Retrieved from [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*. Talk, Vancouver BC.

**Skeeter, J.** (2021, April). *Police Killings and Systemic Racism in Canadian Policing*. Talk, \*virtual.

Ahmed, M., & **Skeeter, J.** (2019, October). *How Can I Reduce My Carbon Footprint?* Talk, Vancouver BC.

**Skeeter, J.** (2017, May). *Vegetation Influence and Environmental Controls on Greenhouse Gas Fluxes from a Drained Thermokarst Lake in the Mackenzie River Delta, NWT*. Talk, Vancouver BC.

**Skeeter, J.** (2017, July). *Greenhouse Gas Exchange in the Outer Mackenzie Delta*. Talk, Inuvik, NT.

**Skeeter, J.** (2017, December). *Growing Season Carbon Balance of a Mackenzie River Delta Peatland*. Talk, Quebec City, QC.

**Skeeter, J.** (2016, December). *Carbon Dioxide and Methane fluxes at Illisarvik 2016*. Talk, Winnipeg, MB.

**Skeeter, J.** (2014, May). *Identifying Source Areas of Ammonium Concentrations Sampled Above a Louisiana Sugarcane Field*. Talk, Portland OR.

**Skeeter, J.** (2014). Identifying Source Areas of Ammonium Concentrations Sampled Above a Louisiana Sugarcane Field. In. Tampa FL.

**Skeeter, J.** (2013, April). *Fog Climatology of Salisbury, MD*. Talk, 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*. Talk, 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*. Talk, Los Angeles CA.

### Guest Lectures

**Skeeter, J.** (2023, February). *Open Source GIS*. Vancouver BC. Retrieved from <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.

**Skeeter, J.** (2020, November). *Remote Sensing in Atmospheric Sciences*. Vancouver BC.

## Poster Presentations

- Skeeter, J.** (2018). Growing Season Carbon Balance of a Permafrost Peatland in the Mackenzie River Delta. In. Vienna, AT.
- Skeeter, J.** (2016, December). *Carbon Dioxide and Methane fluxes at Illisarvik 2016*. Talk, 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*. Talk, Asheville NC.
- Skeeter, J.** (2011, October). *The Possible Differing Influence of the Chesapeake Bay on Frontal and Squall Line Precipitation Events (April-October)*. Talk, College Park MD.

## Technical Skills

Field & Research Methods	Programming & Markup	
	Languages	Software & Applications
<ul style="list-style-type: none"><li>• Eddy Covariance</li><li>• Footprint Modelling</li><li>• Flux Chamber Sampling</li><li>• Drone Surveying</li><li>• Machine Learning</li><li>• Image Classification</li><li>• Empirical Modelling</li></ul>	<ul style="list-style-type: none"><li>• Python</li><li>• Javascript</li><li>• Matlab</li><li>• R</li><li>• HTML</li><li>• Markdown</li><li>• CRBasic</li></ul>	<ul style="list-style-type: none"><li>• Git &amp; GitHub</li><li>• ArcGIS Pro &amp; QGIS</li><li>• Google Earth Engine</li><li>• Mapbox API</li><li>• Loggernet</li><li>• Eddy Pro</li><li>• Quarto</li></ul>

## Volunteer Work and Committee Positions

Western Director, Canadian Society of Agricultural and Forest Meteorology	2023 - Present
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
American Association of Geographers World Geography Bowls <ul style="list-style-type: none"><li>• Four-time All Star Team Member, Middle Atlantic Division</li></ul>	2009 - 2013
Outstanding Graduating Senior Award, SU Geography	2013
Outstanding Academic Achievement Award, SU Geography	2013
1st Place Student Paper Middle Atlantic Division of the American Association of Geographers Annual Meeting	2012

