

Curriculum Vitae

Dr. June Skeeter (they/them/theirs)

june.skeeter@ubc.ca | 604 440 1697 | <https://june-skeeter.github.io/>

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Education

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| 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

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| Methane Physical Scientist: Natural Resource Canada | 2024 |
| 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 eddy covariance stations in Burn's Bog Ecological Conservancy AreaMentored graduate students | |
| Sessional Instructor (UBC) | 2019 - 2024 |
| <ul style="list-style-type: none">Geographic Information Science; Assorted Weather and Climate Courses | |
| Various Graduate Assistanceships: University of South Carolina (USC) & UBC | 2013 - 2021 |

Technical Skills

| Programming & Markup Languages | Software & Applications | Field & Research Methods |
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| 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 |
| 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

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| 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

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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 |

