

Sam Lumley

McGill University, Montreal
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INTERESTS

I'm interested in the use of geospatial web technologies to help solve everyday problems.

EDUCATION

- M.Sc. in Geography & Environment** (current GPA: 3.9/4.0) Feb 2021
McGill University, Montreal
- Thesis: Interactive visualisation of climate change on the web
 - Coursework: Advanced Geographic Information Science, Principles of Geospatial Web, Systems Modeling, Environmental Policy & Planning
- B.A. in Geography & Mathematics** 2016
University of Cambridge, U.K.

EXPERIENCE

- Project Manager** 2019 - Present
McGill University Environment Canada research grant, Montreal
- Manage a research grant budget of \$150K+, led two recruitment drives, coordinate a team of six to use machine learning to assess public reactions on social media.
- WebGIS Research Assistant** 2018 - 2019
Institute for Health and Social Policy (IHSP), McGill University, Montreal
- Designed and implemented a web application mapping urban sprawl. Cleaned, prepared and visualized datasets.
- Digital Media Manager**
Geothink, Montreal
- Showcased research output from 26 researchers and 30 partners through newsletters, blog articles, interviews, webinars, podcasts and social media. 2017 - 2018
- Ski Instructor**
Rod Roy Ski School, Montreal
- Coached groups of 6 to 10 students from novice to intermediate level skiing, planned lessons and conducted annual assessments of progress. 2017 - 2019
- Previous: **Freelance web developer** (2017), **Data analyst** at Moeschle, U.K. (2016)

SKILLS

Web: HTML, CSS, javascript

Data science: git, python (NumPy, Pandas, Plotly, Geopandas), QGIS

Languages: English, French (B1)

AWARDS AND HONORS

SKI Canada Best Paper Award (Second Place)	2019
Alexander Irwin Cowie Fellowship (10,500 CAD)	2017
David Richards Scholarship	2015

TRAVEL GRANTS

Graduate Research Enhancement and Travel Award (SKI, Banff)	2019
Graduate Mobility Award (Visiting student at Carnegie Mellon University)	2018
Graduate Research Enhancement and Travel Award (AAG, New Orleans)	2018
Bedford Travel Grant (Field research, Rhône-Alpes, France)	2015
Selwyn College Travel Grant (voluntary work, Cambodia)	2014

PUBLICATIONS

Sam Lumley, Renee Sieber. 2019. Web Maps for Global Data Visualization: Does Mercator Matter?.

Proceedings of the Conference on Spatial Knowledge and Information – Canada.

Second Place Best Paper Award

Andrei Romascanu, Hannah Ker, Renee Sieber, Sarah Greenidge, **Sam Lumley**, Drew Bush, Stephan Morgan, Rosie Zhao, and Mikael Brunila. 2020. Using deep learning and social network analysis to understand and manage extreme flooding. *Journal of Contingencies and Crisis Management*, 28(3), 251–261.

<https://doi.org/10.1111/1468-5973.12311>

UNIVERSITY SERVICE

Lead Organiser for the Geography Student Speaker Series (2018 - 2020)

- Set up, ran and secured recurrent funding for a monthly student speaker series.

Communication and Web Officer for the Geography Graduate Society (2018 – 2020)

- Led online presence, represented students and actively participated in executive decision making.