

Sam Lumley

Montreal, QC

samfredlumley@icloud.com

+1 (514) 994-4953

<https://samlumley.page>

EDUCATION

- 2017–
2020 **M.Sc. in Geography & Environment**, McGill University, Montreal, QC
- Thesis: Evaluating climate change communication via interactive visualizations
 - 3.9 GPA, 3 publications, 3 conference presentations
- 2012–
2016 **B.A. in Geography & Mathematics**, University of Cambridge, U.K.
- Dissertation: Assessing energy balance of Grande Motte Glacier, France

EXPERIENCE

- 2021–
present **Researcher**, AI for the Rest of Us, Montreal
- Conducted a structured review of literature on the use of AI for civic participation
 - Co-organized an interactive workshop at the ACM FAccT Conference
- 2019–
2021 **Project Manager**, McGill University (research grant with Environment Canada)
- Coordinated a team to use machine learning to categorize Twitter data
 - Managed a budget of \$150K and led two recruitment drives
 - Conducted project reporting and contributed to grant applications
- 2018–
2019 **WebGIS Research Assistant**, Institute for Health and Social Policy, Montreal
- Designed and implemented a web app mapping urban sprawl at sprawlmap.org
 - Cleaned, analyzed and visualized road network data using QGIS, D3 and Mapbox
- 2018–
2019 **Teaching Assistant**, McGill University, Montreal
- Supported and evaluated student projects on geospatial web development
 - Designed and ran workshops on git, web development and command line
- 2017–
2019 **Web Journalist**, Geothink, Montreal
- Showcased research output from 26 researchers and 30 partners
 - Led the collaborative production of newsletters, blog articles and webinars

PROJECTS/ PUBLICATIONS

- **Scription** – Designed an open-source web app for transcribing speech: <https://scription.app>
- **Journal article** on web map projections (first author, Best Paper Award, 2019): <http://ceur-ws.org/Vol-2323/SKI-Canada-2019-7-1-5.pdf>
- **Journal article** on the application of natural language processing for crisis management (contributing author, 2020): <https://doi.org/10.1111/1468-5973.12311>
- **Journalism** (Geothink) on tech-mediated civic interaction: <http://geothink.ca/newsletter-archive/>

SKILLS/ INTERESTS

Programming & web: HTML/ CSS, JavaScript, git, python
Software: QGIS, SPSS, Affinity Designer, Figma
Interests: Running, climbing, biking, guitar, radio and film
Languages: French: conversant (level B1) – j'apprends activement!