

# Sam Lumley

Montreal, QC

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<https://samlumley.page>

## EDUCATION

- 2017–  
2020      **M.Sc. in Geography & Environment**, McGill University, Montreal, QC
- 3.9 GPA, 4 publications (2 in submission), 3 conference presentations
  - Thesis: Evaluating interactive visualizations of climate change on the web
- 2012–  
2016      **B.A. in Geography & Mathematics**, University of Cambridge, U.K.
- Dissertation: independent field work on Grande Motte Glacier, France

## EXPERIENCE

- 2021–  
present      **Research assistant**, AI for the Rest of Us, Montreal
- Designed a python scraper to search, filter and analyze journal articles
  - Facilitated a conference workshop examining “participation” in civic AI systems
- 2019–  
present      **Project Manager**, Environment Canada (research grant), McGill University
- Coordinated a team to use machine learning to categorize Twitter data
  - Managed a budget of \$150K, led two recruitment drives, administered contracts and conducted quarterly reporting
- 2018–  
2019      **WebGIS Developer**, Institute for Health and Social Policy, Montreal
- Designed and implemented a web app mapping urban sprawl at [sprawlmap.org](http://sprawlmap.org)
  - Cleaned, analyzed and visualized road network data using QGIS, D3 and Mapbox
- 2018–  
2019      **Teaching Assistant**, McGill University
- Assisted a geospatial web development class and ran workshops on git
  - Supported and evaluated student projects using crowdsourced and GTFS data
- 2017–  
2019      **Web Journalist**, Geothink, Montreal
- Showcased research output from 26 researchers and 30 partners
  - Produced newsletters, blog articles, interviews, webinars and podcasts

## PROJECTS/ PUBLICATIONS

- **Scription.app** – built an open-source web app for transcribing speech
- **Journal article** on the use of natural language processing to manage extreme flooding (contributing author), 2020, <https://doi.org/10.1111/1468-5973.12311>
- **Journal article** on the projections used in global web maps (first author, Best Paper Award), 2019: <http://ceur-ws.org/Vol-2323/SKI-Canada-2019-7-1-5.pdf>

## SKILLS/ INTERESTS

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

