Sam Lumley

Montreal, QC

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samlumley.page

EDUCATION

2017–20 **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

2012–16 **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
- Designing 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
- Coordinating a team to use machine learning to categorize Twitter data
- Manage a budget of $150K, led two recruitment drives, administer contracts and conduct quarterly reporting

2018–19 **WebGIS Developer**, 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

2018–19 **Teaching Assistant**, McGill University
- Assisted a geospatial web development class and instructed workshops on git
- Supported and evaluated student projects using crowdsourced and GTFS data

2017–19 **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 and open-sourced a 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, skiing, guitar, piano, audio editing
Languages:	French: conversant (level B1) – j'apprends activement!