Sam Lumley

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EDUCATION

M.Sc. in Geography & Environment, Sep 2017 – Dec 2020, **McGill University**, Montreal, QC
- 3.9/4 GPA, 4 publications (2 in submission), 3 conference presentations
- Thesis: Evaluating interactive visualizations of climate change on the web

B.A. in Geography & Mathematics, Sep 2012 – Jun 2016, **University of Cambridge**, U.K.

EXPERIENCE

Research assistant, Jan 2021 – present, **AI for the Rest of Us**, McGill University
- Designing a python scraper to search, filter, extract text and analyze journal articles
- Co-led a conference workshop examining "participation" in civic AI systems

Project Manager, Aug 2019 – present, **Environment Canada (research grant)**, McGill University
- Coordinate a team of six, using deep learning to assess reactions to crises on Twitter
- Manage a budget of $150K, led two recruitment drives, conduct quarterly reporting

WebGIS Developer, Sep 2018 – Apr 2019, **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

Teaching Assistant, Aug 2018 – Dec 2019, **McGill University**
- Assisted a geospatial web development class and instructed two git workshops
- Supported and evaluated student web map projects on crowdsourced and GTFS data

Web Journalist, Sep 2017 – Mar 2019, **Geothink**, Montreal
- Showcased research output from 26 researchers and 30 partners
- Produced newsletters, blog articles, interviews, webinars, podcasts and social media

Previous: **Data analyst** at Moeschle, Sheffield, U.K. (2017), **Freelance web developer** (2016–17)

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 projections used in global web map data visualization (first author, Best Paper Award), 2019: http://ceur-ws.org/Vol-2323/SKI-Canada-2019-7-1-5.pdf

SKILLS

Programming & web:	HTML/ CSS, JavaScript, git, python, bash
Other:	QGIS, SPSS, Affinity Designer, Figma
Languages:	**French**: conversant (level B1) – j'apprends activement!