Saeesh Mangwani

I am a Bachelor's Student in Environment, Development and Urban Geography, with a focus in environmental design and policy. I am also interested in data and the computational sciences, particularly with regard to questions of data accountability, transparency and ethics in policy and design processes.

🎓 EDUCATION

B.A., Urban Geography, Environment
McGill University   📍 Montreal, QC, Canada

2017 | 2020

- Recipient of the Ruths Fellowship Award in Public Policy and Data Science.
- Recipient of an Arts Research Internship Award for research in Urban Social Geography.

International Baccalaureate Diploma
Mahindra United World College of India   📍 Pune, MH, India

2014 | 2016

- Recipient of the Mahindra-Davis Scholarship Award for the year 2016.

💼 SELECTED WORK EXPERIENCE

Research Collaborator
New Cities Lab   📍 McGill University

2019 | 2020

- Examining the role of colonial legacies in legal, social and urban planning institutions that are enabling New Cities as a development strategy in India.

Digital Communications and Videography Assistant
Montreal Neurological Institute   📍 Montreal, QC, Canada

2018 | 2020

- Creating and editing promotional videos for the Neuro and assisting with website maintenance.
- Writing grant applications to support and recognize communication initiatives.
- Proofreading press releases, analyzing social media statistics and writing reports on digital engagement trends.

Data Engineering Intern
Data Sciences Inc   📍 Montreal, QC, Canada

2019

- Developed a methodology for evaluating the efficiency and accuracy of person-matching algorithms.
- Implemented a variety of conditional, probabilstic and machine-learning based person matching processes and used the evaluation method to recommend the best ones to the company.

Policy and Data Sciences (PODS) Program Fellow
Centre for Social and Cultural Data Science   📍 McGill University

2019

- One of 11 fellows that trained in statistics and R Programming within a policy and ethics-oriented framework.
- Applied data skills in a project alongside Data Sciences Inc.

Analyst and Writer: Environmental Programs Database
School of the Environment (MSE)   📍 McGill University

2018

- Updated a database on Environmental programs at universities worldwide and used it to conduct a comparative evaluation of the MSE's pedagogy.
- Wrote a summative report on the MSE's comparative strengths and weaknesses in order to define future steps.

CONTACT

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📞 438-921-9478
🐦 @saeeshm
github.com/saeeshm
linkedin.com/in/saeeshm

SKILLS

🌐 GIS (ArcMap, QGIS, R)

Ⓡ R

☕ Java

🐍 Python

🗄 SQL

💻 Web Dev (JS, HTML, CSS)

LANGUAGES

English: Native

Hindi: Native

Spanish: Beginner

🌐 GIS EXPERIENCE

2020

GEOG 307: Socio-Economic Applications of GIS
McGill University ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀📍 Montreal, QC, Canada
- Applying GIS tools to social science problems, and examining the successes and limitations of the use of these tools so far.
- Doing a series of labs involving skills such as geodemographics, network analysis, location allocation, and so on.
- Conducting a personal project building a web-based geospatial platform for citizen-reported data on protests in India.

2020

GEOG 384: Principles of the Geospatial Web
McGill University ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀📍 Montreal, QC, Canada
- Learning about the growth of dynamic geospatial data on the web, in contrast with traditional self-contained GIS systems that have so far been the norm.
- Doing a series of labs involving skills such as building geospatial web and mobile applications, using geospatial APIs, gathering, writing and manipulating location data, and so on.

2019

URBP 508: Sustainable Development Plans
McGill University ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀📍 Montreal, QC, Canada
- Created a development plan for a residential community in the Rock Hall neighbourhood of Barbados.
- Used QGIS as part of an extensive site analysis, which including examining and reporting land use patterns, wind patterns, rainfall patterns, and site elevation modelling.

2018

GEOG 201: Introductory Geo-Information Science
McGill University ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀📍 Montreal, QC, Canada
- Learned about types of geospatial, methods and issues in Cartography and tools for manipulating geodata.
- Did a series of GIS labs that involved skills such as georeferencing, vector geoprocessing, DEM manipulation and so on.

⌁ SELECTED PERSONAL PROJECTS

2020

Data Consultant
Dept of Political Science ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀📍 McGill University
- Assisting a PhD student in tidiyng, joining and summarizing survey data in a reproducible format to extract insights related to research on land expropriation.

2018
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2019

Executive Technical Director
Tuesday Night Cafe Theatre ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀📍 Montreal, QC, Canada
- Handled the technical production of shows hosted at our theatre; involved supporting directors with the design of lighting, sound and set, orienting them with the technical guidelines of our space.
- Ensuring technical equipment is organized and well maintained, training show directors and technical managers on the proper use of equipment.
- Working with the rest of the executive team to ensure the theatre's activities aligned with our goals and vision.

2017
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2018

Athelete
Ultimate Frisbee Team ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀📍 McGill University
- Played on the McGill Ultimate B Team.
- Attended several tournaments including Le Coupe Quebec, the Eastern Canada University League and Canadian National University League.