

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

- 2017
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2020
- **B.A., Urban Geography, Environment**
McGill University 📍 Montreal, QC, Canada
 - 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
 - Recipient of the Mahindra-Davis Scholarship Award for the year 2016.

SELECTED WORK EXPERIENCE

- 2019
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2020
- **Research Collaborator**
New Cities Lab 📍 McGill University
 - 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
 - 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
 - Developed a methodology for evaluating the efficiency and accuracy of person-matching algorithms.
 - Implemented a variety of conditional, probabilistic 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
 - 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
 - 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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🌐 [linkedin.com/in/saeeshm](https://www.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

*This resume was developed using
the R package [pagedown](#).*

Last updated on 2020-03-17.






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.



LAB EXPERIENCE

- 2019 ● **AGRI 452: Water Resources in Barbados**
 AGRI 452: Water Resources in Barbados  McGill University
- Compared compliance with water quality parameters for water from three different sources on the island of Barbados.
 - Used a wet lab to assess water samples for alkalinity, turbidity and fecal coliforms and compared results to regulatory standards.
- 2018 ● **BIOL 432: Limnology**
 BIOL 432: Limnology  McGill University
- Worked at the Gault Nature Reserve to examine how changes in light intensity affect the composition of planktonic species in lake surface waters.
 - Set up mesocosms at Lac Hertel to apply differential shading treatments. Used a wet lab to look for the chemical signatures of various planktonic species to assess composition changes based on light intensity changes.
- 2017 ● **BIOL 111: Organismal Biology**
 BIOL 111: Organismal Biology  McGill University
- Conducted a research project examining whether plant-mycorrhizae symbiosis can help plants resist conditions of high soil salinity and acidity.
 - Used a wet lab to grow a number of pea plants to randomly subject to treatments and controls.



SELECTED PERSONAL PROJECTS

2020



Data Consultant

Dept of Political Science

📍 McGill University

- Assisting a PhD student in tidying, 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



Athlete

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.