



# Polly Ramaselele

*GIS Technician*



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<https://polly-r.github.io/portfolio/>



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<https://github.com/polly-r>

# Polly Ramaselele

## GIS Technician



I am a BSc Geoinformatics graduate with a strong aptitude for GIS technology. Throughout my academic journey, I have acquired diverse skills and developed a passion for solving spatial problems. I specialise in utilising GIS tools to identify optimal locations for various purposes, e.g., shops, construction work, and renewable energy farms.

## Work Experience



### GEOSPATIAL INTERN

Kartoza - South Africa-based Free and Open Source GIS service provider specialising in solving complex location-related problems for a variety of businesses.

*February 2023 to April 2023 (3 months)*

- Appended their Cartographic Guidelines Handbook that helps novice QGIS users avoid common cartographic mistakes
- Performed rigorous user acceptance testing on the SASDI Electronic Metadata Catalogue website development
- Created spatial reports on QGIS describing the design and implementation of a data collection project that uses Mergin Maps, PostgreSQL databases & Python



### SESSION PRODUCER

University of Pretoria - Society of South African Geographers (SSAG)

*12 September 2022 to 16 September 2022 (1 week)*

- Ensured smooth running of presentations both in-person and online
- Managed session recordings
- Registered visiting lecturers and post-graduate candidates from member universities of SSAG throughout Southern Africa



### SALES CONSULTANT, MERCHANDISER

Smollan, Tradeway, Tribe

*February 2018 to September 2022 (4 years, 7 months)*



- Performed frequent stock replenishing and quality checks
- Processed customer transactions
- Improved sales for brands such as VUSE, SodaStream, Coco Pops and Velo in several areas by using worthy incentives and engaging promotion mechanics
- Curated neat product-stand setups with samples for potential customers both in stores and at events





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## Work Experience

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### RETAIL SALES ASSISTANT

Adidas Concept Store

1 December 2018 to the 31st (1 month)

- Carried out visual merchandiser's store vision to create alluring floor displays
- Continually educated consumers about new, cutting-edge Adidas products
- Processed customer transactions

## Relevant Skills

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- Front-end development to create visually appealing, informative websites.
- Collecting and automating the cleaning of spatial data.
- Database creation and management, including query optimisation to ensure efficient data processing.



- Experienced in site selection through Multi-Criteria Decision Analysis to make data-driven decisions.



- Capable of performing network analysis and routing to optimise transportation and logistics.



- Proficient in coding languages viz., R, SQL, Python, and HTML/CSS to develop effective software solutions.



- Fueled by my ability to find solutions to spatial problems using various open-source GIS tools available.





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## Education History

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### **Bachelor of Science Honours in Geoinformatics**

University of Pretoria

*Year of Graduation: 2023*

- Research: Investigating wind direction effects on barchan migration
- Geospatial data legislation, Applied Data Science, Advanced Remote Sensing
- Made use of different types of earth observation data to develop geospatial systems and decision support tools using open-source tools

### **Bachelor of Science in Geoinformatics**

University of Pretoria

*Year of Graduation: 2022*

- Spatial Data Analysis, Remote Sensing, JS, Python, SQL
- Spatial analyses on ArcGIS Pro and QGIS
- Multi-Criteria Decision Analysis, Cartography



### **National Senior Certificate**

Sandown High School

*Year of Matriculation: 2017*

- Physics, Maths, Geography, Life Sciences, Afrikaans, English
- Academic Achiever (2012 - 2017)
- Head Boy
- Chess, Bible Study, Soccer, Cricket Full Colours

## Volunteer Work, Awards, Affiliations, and Interests

### **Volunteer Worker**

Dimphonyana Tsa Lapeng Kids Home

2019 - 2022

Every year, I volunteer to teach teenagers (14 - 18 years old) about the importance of hygiene and applying general and personal hygiene hacks.

### **GIBS Spirit of Youth Programme**

Gordon's Institute of Business Science

2016

I was recognised for my achievements as a role model in leading, planning, exemplary participation and igniting student camaraderie.