

## Curriculum Vitae

### Lindelwa Lomaqhawe Manyatsi

Candidate Geomatics Practitioner : GIS Professional –  
CGPrGISc 0311

Aloe 9, Crescent Wood Country Estate, Noordwyk, Midrand  
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#### **PROFESSIONAL PROFILE:**

Environmental management graduate with a background in Geographic Information Systems and Remote Sensing with excellent research skills and field work experience eager to join an ambitious team with opportunities for personal and professional development. Have been exposed to GIS consultant work on various projects. Able to work in large multicultural teams of consultants from different backgrounds with courtesy and efficiency. Was awarded a prestige scholarship by the Japanese government to study towards a Masters degree in Japan. Fluent in English, Siswati and conversational Japanese. Able to utilise both Windows and Mac OS based PCs with various software: Microsoft Office, ArcGIS, QGIS, program in C#, Javascript, HTML

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#### **EDUCATION**

**Masters in Environmental Design and Governance** **2016 - 2018**  
Keio University, Japan

**Bachelor of Science Honours in Geoinformatics** **2014**  
University of Pretoria, South Africa

**Bachelor of Science in Geoinformatics** **2011 - 2013**  
University of Pretoria, South Africa

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#### **PROFESSIONAL EXPERIENCE**

##### **Data Cleansing Consultant**

**July 2019 – Present**

Technolibra/Dwarsrivier Chrome Mine, Johannesburg

Duties:

- Responsible for the physical engineering equipment identification and creation of equipment location hierarchies to create a master data list of equipment and their attributes
- Linking and mapping of Equipment Master Records to asset register.
- Compiling a Criticality Matrix that was used as framework to identify critical equipment and to create equipment maintenance plans.
- Defining and assigning failure codes, damage codes and cause codes to facilitate failure root cause analysis.
- Identifying parameters, measurement readings and variables to be employed to drive usage-based, predictive and condition-based maintenance interventions

##### **Geographic Information Systems Officer**

**Feb. – Dec. 2015**

Afrogeo, Eswatini

Duties:

- Responsible for the whole spatial data management process which included developing data collection system, data collection and supervision, maintenance of the spatial databases.
- Provided GIS support to clients through GIS hardware and software recommendations, administration and maintenance, GIS Training.

**Achievements:**

- Enhanced Matsapha municipality's service provision ability by a margin through administering their complete GIS from hardware, software, data and staff training.
- Increased the company's productivity by 40% by collecting and updating all the company's spatial data and stored it in geodatabase that all employees had access to.
- Led the UNDP Transboundary Water Requirements project and impressed the stakeholders by presenting to them alternative ways to provide water to various regions of Eswatini in the wake of climate change.
- Produced all the maps for the Water-point Mapping project which mapped all the rural water schemes in Eswatini.

**INTERNSHIPS**

**Research & Development**

**Sep. 2017**

Meiwa Co., Ltd, Japan

Proposed projects that could solve waste/environmental management issues in Swaziland by using Meiwa's technology

**GIS Intern**

**July.2016**

NT Geomatics, South Africa

Assisted on GIS projects currently in progress such as the updating of the City of JHB's valuation roll.

**Teaching Assistant**

**2014**

University of Pretoria, South Africa

Assisted undergraduate students with their weekly GIS practical.

**Traffic counter**

**Aug. 2014**

ITS Engineers, South Africa

Counted the number of vehicle traffic in preparation of the construction of an entrance to a mall.

**Chaperone at MyCOE TechCamp**

**July 2014**

American Association of Geographers/ EIS Africa, South Africa

Mentored and ensured the safety and comfort of camp participants which were a group of 40 high school students from South Africa and the US.

**HONORS AND AWARDS**

- JICA African Business Initiative Scholarship (Masters degree in Japan)  
2016- 2018
- Golden Key International Honour Society (Top 15% of faculty) 2014

**WORKSHOPS AND CONFERENCES**

- Global Governance Symposium, Yonsei University – South Korea, Fudan University – China  
Nov, Dec. 2017
- International Capacity Building on Green Growth, Malaysia June 2017
- EDGE Program, Keio University Feb. 2017
- JICA ABE Initiative Joint Program Feb. 2017

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**SKILLS AND ABILITIES**

- Licenced light motor vehicle driver
  - Curious and creative
  - Minimum supervision
  - Emotionally intelligent
- Team player



# University of Pretoria

The Council and Senate hereby declare that  
at a congregation of the University the degree

## Bachelor of Science in Geoinformatics

with all the associated rights and privileges  
was conferred on

**Lindelwa Lomaqhawe Manyatsi**

in terms of the Higher Education Act, 1997 and the Statute of the University

On behalf of the Council and Senate

Handwritten signature of C. de la Rey in black ink.

Vice-Chancellor and Principal

On behalf of the Faculty of  
Natural and Agricultural Sciences

Handwritten signature of the Dean in black ink.

Dean



Handwritten signature of the Registrar in black ink.

Registrar

2014-04-23



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the Statute of the University

On behalf of the Council and Senate

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Vice-Chancellor and Principal

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Registrar



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