LUCAS VAN DER MEER

Geospatial Data Analyst

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🐙 github.com/luukvdmeer   🚩 Dutch

EXPERIENCE

Developer

Triply GmbH

📅 May 2019 – to date   📍 Linz, Austria

- Solving Vehicle Routing Problems to optimize bus transport to events.

Research Assistant

University of Salzburg
Department of Geoinformatics

📅 May 2019 – to date   📍 Salzburg, Austria

- Writing a Python-based inference engine to translate Earth Observation data queries on a high semantic level, to technical queries that are readable by a semantically enriched Data Cube in the back-end, as part of the project sen2cube.at.

Junior GIS Specialist

University of Groningen Geoservice
Centre of Information Technology

📅 September 2016 – August 2017   📍 Groningen, The Netherlands

- Investigating the patterns of supply shortage of public bikes in The Netherlands, both over space and time. Results were published in Dutch newspapers.
- Assisting the Geoservice Helpdesk, which offers support in spatial data analysis to university employees, students, public institutions and companies.

Student Assistant Statistics

University of Groningen
Faculty of Spatial Sciences

📅 November 2015 – January 2016   📍 Groningen, The Netherlands

- Assisting students of the Statistics course at their computer practica, where they worked with statistical computations in SPSS.

Student Assistant Spatial Information Technology

University of Groningen
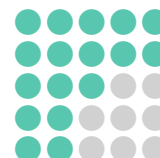**Faculty of Spatial Sciences**

📅 September 2015 – November 2015   📍 Groningen, The Netherlands

- Assisting students of the Spatial Information Technology course at their computer practica, where they worked with analyzing spatial data in ArcGIS.

TECHNICAL SKILLS

Programming

R   ●●●●●
Python   ●●●●○
PostgreSQL & PostGIS   ●●●○○
Markdown   ●●●○○
Bash   ●●○○○

GIS software

QGIS   ●●●●○
ArcGIS   ●●●○○

Other

Linux OS   Git   GitHub   Jira
Docker   GIMP   Photoshop
OpenStreetMap   Google OR Tools

LANGUAGES

Dutch   ●●●●●
English   ●●●●○
German   ●●●○○
Swedish   ●●○○○
French   ●●○○○
Portuguese   ●●○○○
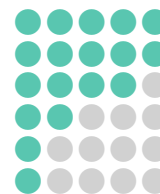
ACTIVITIES

GeoMundus 2018

Conference organizer

📅 December, 2018   📍 Lisbon

GSWV Tandje Hoger Board

Treasurer

📅 2013 & 2014   📍 Groningen

EDUCATION

MSc. in Geospatial Technologies
New University of Lisbon, Information Management School
University of Münster, Institute for Geoinformatics

📅 September 2017 – March 2019   📍 Lisbon, Portugal & Münster, Germany

- Spatial data science in R, Python and PostGIS.
- Remote sensing.
- Geostatistics and spatial statistics.
- Machine Learning and data mining of geospatial big data.
- Geographic information science.
- Visualization of spatial data.
- Reference systems for geographic information.
- Project management and academic writing.
- For my master thesis, I created a spatio-temporal forecasting system for bike availability in dockless bike sharing systems, using time series forecasting methods. It was supervised by Prof. Dr. Edzer Pebesma. Grade: 20 out of 20.

Academic minor in Mathematics & Statistics
University of Groningen
Faculty of Science and Engineering, Faculty of Economics and Business

📅 September 2015 – June 2016   📍 Groningen, The Netherlands

- Statistics and statistical reasoning.
- Probability theory.
- Calculus and linear algebra.

BSc. in Environmental and Infrastructure Planning
University of Groningen
Faculty of Spatial Sciences

📅 September 2013 – June 2016   📍 Groningen, The Netherlands

- Spatial information technology.
- Urban planning, environmental planning and water planning.
- Physical geography and economic geography.
- Environmental engineering and resistance theory.
- Statistics.
- For my bachelor thesis, I investigated the change of the relative accessibility of peripheral regions in The Netherlands over time, using network analysis tools. It was supervised by Dr. Peter Groote. Grade: 9.5 out of 10.

PUBLICATIONS

📄 **Journal Articles**

- Abad, Lorena and Lucas Van der Meer (2018). "Quantifying Bicycle Network Connectivity in Lisbon Using Open Data". In: *Information* 9.11, p. 14. ISSN: 2078-2489. DOI: 10.3390/info9110287.

DISTINCTIONS

🏆 **Best Student Award**
For the Master of Science in Geospatial Technologies, with a final grade of 19 out of 20.

HOBBIES

🚲 **Cycling**
At elite level for WV West Frisia.

🚶 **Outdoor**
Hiking, skiing, camping.

REFEREES

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Münster, Germany

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✉ NOVA IMS
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Lisbon, Portugal

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