Darius A. **Görgen**

SOFTWARE DEVELOPER · B.SC. GEOGRAPHY · B.A. POLITICAL SCIENCES

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Education

M.Sc. in Physical Geography
Marburg, Germany

UNIVERSITY OF MARBURG
Oct. 2018 - today

- Ongoing thesis on environmental drivers of conflict and migration in East Africa.
- Major in Environmental Informatics, Climatology and Hydrogeography.

B.Sc. in Geography
Marburg, Germany

UNIVERSITY OF MARBURG
Oct. 2014 - Feb. 2018

- Thesis: "Comparison of machine learning algorithms to monitor land use activity in the Ili-Balkhash-Basin".
- Development of R routines to assess agricultural activity based on MODIS data sets and different machine learning algorithms.
- Evaluation of the thesis: 1.0

B.A. in Political Sciences of the MENA Region
Marburg, Germany

UNIVERSITY OF MARBURG
Oct. 2014 - Sep. 2018

- Thesis: "Framing public participation in water management in Jordan".
- Based on qualitative interviews with state officials in the water and agricultural sector.
- Evaluation of the thesis: 0.7

Abitur
Bad Wildungen, Germany

GUSTAV-STRESEMANN GYMNASIUM
Oct. 2005 - Jun. 2013

- Grade: 1.4

Skills

Back-end	PostgreSQL, SSH, Docker
Front-end	Shiny, Markdown
Programming	R, Python, Bash
Languages	German, English, French, Spanish, Turkish, Arab

Working Experience

MapTailor Geospatial Consulting GbR
Bonn, Germany

SOFTWARE DEVELOPER
Jan. 2020 - today

- Consultancy for project evaluation in the international cooperation sector.
- Development of several R packages to support planning and evaluation of deforestation/afforestation projects.
- Agil software development environment in a multi-stakeholder process.

Peace Research Institute Frankfurt (PRIF), Member of the Leibniz Association
Frankfurt, Germany

STUDENT ASSISTANT
Oct. 2019 - Jan. 2020

- Support of ongoing research on economic protests in Tunisia and Egypt.
- Worked on a project on Natural Language Processing of news articles for topic indentification.

Department of Climatology and Environmental Modelling
Marburg, Germany

STUDENT ASSISTANT
May. 2015 - Dec. 2019

- Support of an doctoral researcher working on the global identification of a new type of tropical lowland cloud forest.
- Development of R and Python routines to process large amounts of satellite data.

Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
Marburg, Germany

EXTERNAL CONSULTANT
Nov. 2018 - Dec. 2018

- Evaluation report on GIZ activites at the intersection of the water and agricultural sector.
- Qualitative interviews with project staff worldwide.
- Critical reflection of lessons-learned and recommendations for the strategic orientation of the water sector.

Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Eschborn, Germany

INTERN FOR SUSTAINABLE WATER POLICY

Mar. 2018 - Jun. 2018

- Support in drafting the BMZ strategy paper on water, flight and migration.
- Quantitative analysis of numbers on migration and water risk on the African continent.
- Evaluation of project proposal in the agricultural sector from a water sector's perspective.

Department of Soil and Hydrogeography

Marburg, Germany

STUDENT ASSISTANT

Oct. 2016 - Dec. 2016

- Support of ongoing research projects.
- Conduction of tutorials for fellow students.
- Support in scientific writing for fellow students.

International Experience

Workshop by the German Council on Foreign Relations (DGAP)

Tunis, Tunisia and Berlin, Germany

THINK TANK ON DECENTRALIZATION, INSTITUTION-BUILDING AND THE DEVELOPMENT OF MARGINALIZED REGIONS IN TUNISIA

Sep. 2018 - Oct. 2018

- Two week workshop with Tunisian and European activists and researchers.
- Writing of a policy paper entitled "Towards Sustainable Water Resource Management and Food Sovereignty in Tunisia".

Summer School in Teheran

Teheran, Iran

SOCIAL POLICY IN OIL-BASED ECONOMIES

Oct. 2017 - Nov. 2017

- DAAD sponsored program on Policital Economy of Natural Resource Management (NAREM).

Arabic Language and Culture

Amman, Jordan

GERMAN-JORDANIAN UNIVERSITY

Oct. 2017 - Jan. 2018

- Winning candidate of a DAAD scholarship for a four-month language course.

Research Excursion in Bolivia

La Paz, Bolivia

WATER IN THE ENVIRONMENT AND AS A BASIC COMMODITIY FOR HUMAN ACTIVITY

Aug. 2017 - Sep. 2017

- Qualitative interviews with various stakeholders on electricity and water supply.

Field Work for the thesis in the B.Sc. Geography

Almaty, Kazakhstan

AL-FARABI KAZAKH NATIONAL UNIVERSITY, ALMATY

Mar. 2017 - Apr. 2017

- Independent organization of field trips to collect ground truth points in agricultural zones around Almaty, Kazakhstan.

Research Excursion in Tunisia

Tunis, Tunisia

LOGIC OF ACTION IN THE TUNISIAN TRANSFORMATION PROCESS

Sep. 2016

- Qualitative interviews with social actors of the Tunisian transformation process.
- Focus on transitional justice since the revolution in 2011.

Research Excursion in Marocco

Marrakech, Marocco

ANALYSIS OF LOCAL VALUE CHAINS

Apr. 2016 - May. 2016

- Qualtitative interviews on the value chain of leather products.

Showcase

Using machine learning for the automatic classification of spectral samples to detect microplastic particles

Marburg, Germany

SEMINAR WORK AT THE DEPARTMENT OF SOIL AND HYDROGEOGRAPHY, PROF. DR. PETER CHIFFLARD

Sep. 2019

- Development of R routines to preprocess and analyse spectral data from environmental samples.
- Reproducible documentation of the workflow and results on a website.
- Click here or visit `https://goergen95.github.io/polymeRID`

Low-cost environmental sensor boxes for the LOEWE's research project Natur4.0

Marburg, Germany

SEMINAR WORK AT THE DEPARTMENT OF GEOGRAPHIC INFORMATION SYSTEMS, DR. CHRISTOPH REUDENBACH

Jul. 2019

- Assembly and documentation of low-cost sensor boxes based on a Raspberry Pi.
- Click here or visit `https://goergen95.github.io/sensorbox-docu`

Mapping forest stand structures based on aerial images and LiDAR data

Marburg, Germany

SEMINAR WORK AT THE DEPARTMENT OF ENVIRONMENTAL INFORMATICS, PROF. DR. THOMAS NAUSS

Feb. 2019

- Development of R routines to preprocess optical and LiDAR data for forest stand analysis.
- Development of a website to communicate the workflow and results.
- Click here or visit `https://goergen95.github.io/mof_caldern`