

Simon DONIKE

Post Grad. Student

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🌐 www.donike.net



INFO

Date of Birth
xx.xx.1995

Nationality
German

LANGUAGES

German
native speaker

English
excellent command (C1)

French
good command (=B2)

AWARDS

ESRI Innovation Program
Outstanding Student of
the Year 2021

SKILLS

Python • ██████████
Keras, Sklearn, etc. • ██████████
ArcGIS/QGIS/GDAL • ██████████
SQL & PostGIS • ██████████
Ubuntu Server Admin. • ██████████
Java • ██████████

PORTFOLIO

www.donike.net/e-portfolio

EDUCATION

Copernicus Master in Digital Earth, Scholarship Holder Erasmus Mundus Joint Master Degree

University of Salzburg, Austria 2020 – 2021
University of South Brittany, France 2021 – present

The EM CDE is a two year program, split between Salzburg and Vannes. The first year is focused on programming and general Geoinformation methods, while the second year in France deals with data science and machine learning in particular.

Minor Subject Geoinformation Technology

During two Erasmus semesters in Finland, I completed the minor subject of the Bachelor's Degree, Geoinformation Technology. The focus was learning how to program in Python and automate GIS workflows.

Bachelor of Science, Geography

University of Cologne, Germany 2014 - 2019

The Bachelor Degree in Geography allowed me to find my niche within the domain, focusing on EO, Data Science, Machine Learning and everything in between.

EXPERIENCE (Excerpt)

EO4GEO Project

Student Assistant and Freelancer
Salzburg, Austria 2020 – 2021 10 months

Responsible for managing the Git hosting of learning materials as well as the communication with contributors and creating an automatized metadata scraping workflow and integrating the results in a course catalogue.

German Development Agency (GIZ)

Internship in Benin, West Africa 2019 – 2020 6 months

Responsible for Cartography as well as the transfer of a SQL database into a QGIS supported structure, as well as giving GIS and MS Office workshops to local partners in a French-speaking Environment.

German Aerospace Center (DLR)

Research Position in Munich, Germany 2019 5 months

After the successful internship, I was invited to conducting research in line with my Bachelor Thesis at the DLR: *Using Machine Learning to derive Soil Information from Soil Reflectance*

German Aerospace Center (DLR)

Internship in Munich, Germany 2019 3 months
Internship in Munich, Germany 2021 2 months

Internships at the *Team Land Surface Dynamics* within the *Earth Observation Center*. Mainly, I created and automatized a classification system to separate satellite image tiles by Bio- and Georegions. In 2021, a Google Earth Engine forest mapping script was transferred to Python and optimized.

Other Experiences

- Student Assistant at the Computer Science Faculty of the U. of Cologne, 2018 – 2019, 12 months
- Student Assistant at VIA Spatial Planning Office, 2018 – 2019, 8 months
- Academic and Athletic stay abroad in Australia, 2010 – 2011, 6 months