

Leonie Engemann

Master Student Geoinformatics



About Me

I am a Geoinformatics Student from Augsburg and currently pursuing my master's degree in Geoinformatics. I have a particular interest in Data Analysis, GIS and Remote Sensing. Always curious to learn something new and strive to continuously learn and explore the potential of geospatial technologies.



Education

Master of Science Geoinformatics, University of Augsburg

October 2022 – Present

- Intelligent processing of geographical information in the context of geographical topics
- Development of computer-based methods for geodata analysis
- GIS and remote sensing

Bachelor of Science Geoinformatics, University of Augsburg

October 2018 – September 2022

- Analysis, collection, and visualisation of geodata
- Digital processing of spatial information
- Computer Science
- Topic of final paper: Visual Analytics in Traffic Data Analysis - Development and evaluation of tools for the investigation of temporal patterns of traffic accident data (graded with 1.3)

Abitur, Paul-Klee-Gymnasium Gersthofen

2010 – 2018



Employment History

Working Student, Esri Deutschland GmbH, Kranzberg

September 2023 – Present

- Imagery and Analytics Team
- Data Science and Big Data
- Knowledge Graphs

Working Student, alitiq GmbH, Augsburg

April 2023 – July 2023

- Software developer in the field of Data Science
- Data Optimization
- Database for meteorological raster data



Links:

Portfolio:

<https://www.leonieengemann.de/>

LinkedIn:

<https://www.linkedin.com/in/leonie-engemann-a35450246/>

XING:

https://www.xing.com/profile/Leonie_Engemann

Spatialnode:

<https://www.spatialnode.net/leonieengemann>

GitHub:

<https://github.com/Leonieen>

Working Student, swa Netze GmbH, Augsburg

April 2020 – March 2023

- Digitization of old data and vectorization
- Preparation of geodata for migration process
- GIS data maintenance
- Maintenance of cadastral plan in AutoCAD
- Electricity documentation regarding data optimization

Intern, DLR e.V., Oberpfaffenhofen

July 2017 – August 2017

- Institute for Remote Sensing and Methodology, Department of Photogrammetry and Image Analysis
- Processing tasks (classification, geocoding / orthorectification, vectorization of raster data) related to optical satellite data in GIS
- Development of a Python application for the determination of vehicle speeds
- Development Python application for data extraction and fusion of digital terrain and building models
- Annotation of optical satellite image data to create a training dataset for deep learning networks



Volunteering

Volunteer Mentor with Cybermentor

2019 – 2020

- Mentoring a female student
- Bringing female students closer to the STEM field and inspiring them, as a female role model, for STEM



Other Projects

Summer School "Processing and visualizing large geospatial data using R, Python and Julia" Summer School "Processing and visualizing large geospatial data using R, Python and Julia" from the OpenGeoHub Foundation

August 2023

Early Studies in Geoinformatics at University of Augsburg

October 2016 – September 2018



Personal interests

Hiking and trekking

Climbing

Knitting Icelandic sweaters

Projects for my portfolio website, see links

Skills:



Languages:

German

English