Roger Almengor

Address: Reichenstraße 36, 87629, Füssen, Germany

Email address: rogeralmengor@gmail.com **Phone number:** (+49) 1626290775

Gender: Male **Date of birth:** 16/02/1987 **Nationality:** Panamanian

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ABOUT ME

After getting my first job in the field of agroforestry in a small company in Panama, I moved to Germany with the aim of studying and working in the field of remote sensing. After completing my studies at the Technical University of Munich, I worked in remote sensing primarily with optical and radar images from the Sentinel missions. As an autodidact, I learned the languages Python and C to automate routines at work. Currently, I am focused in the field of remote sensing for agriculture.

WORK EXPERIENCE

[01/01/2022 – Current] **GIS Developer**

GAF AG

City: Munich
Country: Germany
Main activities and responsibilities:
Development of geospatial tools for raster and vector analysis for agriculture monitoring

[01/01/2020 – Current] **Data analyst**

German Aerospace Center

City: Oberpfaffenhofen
Country: Germany
Main activities and responsibilities:
- Processing of agricultural parcel data of the Land Parce Identification System for Germany (LPIS)
- Processing of Satellite Data (Landsat 8, Sentinel-1, Sentinel-2)
- Development of algorithms for geospatial analysis on crops (sampling, time feature calculation, classification)

[01/04/2017 – 31/12/2019] **Remote sensing expert**

GAF AG

City: München
Country: Germany
Main activities and responsibilities:
- Technical and technical support of the geoinformation/remote sensing departments in the field of land monitoring
- Processing and analysis of satellite data (optical and radar)
- Method development and process description
- Quality control of geoproducts
- Requirement analysis

[01/02/2017 – 31/03/2017] **Intern**

GAF AG

City: München
Country: Germany
Main activities and responsibilities:
- Acquisition of geospatial data
- Visualization and processing of satellite imagery

[01/08/2016 – 11/2016] **Intern**

Remote Sensing Solutions GmbH,

City: München
Country: Germany
Main activities and responsibilities:
- Object-oriented classification of land cover types based on Landsat satellite data
- Burned areas mapping
- Satellite imaging and preprocessing
- Data processing
- Development of python scripts for the processing of geodata in ArcMap 10.x

[01/04/2014 – 30/09/2014] **Shop Helper**

Getränke Zimmermann

City: Roßhaupten
Country: Germany

[01/10/2013 – 31/03/2014] **Production Helper**

Kerns Group

City: Rieden am Forgensee
Country: Germany

[01/10/2011 – 30/09/2013] **Environmental and Forest Engineer**

Forest Finance Panama S.A.

City: Las Lajas
Country: Panama
Main activities and responsibilities:
- Forest growth monitoring
- Coordination and implementation of forest management activities

[01/08/2010 – 30/08/2010] **Environmental and Health Inspector (intern)**

Maderas Tropicales S.A., David, Panamá

City: David
Country: Panama

[01/02/2009 – 31/03/2009] **Surveyor (intern)**

Ministry of Agricultural Development

City: Boquete - Cerro Punta - Volcán
Country: Panama

EDUCATION AND TRAIN-ING

[01/09/2014 – 31/08/2017] **Master of Science in Sustainable Resource Management - Focus: Geographic Information Systems, Remote Sensing, Landscape Management, Forest Ecology**

Technical University of Munich

Address: 85354, Freising, , Germany

[01/03/2005 – 31/08/2010] **Environmental Management Engineer Universidad de Panamá**

Universidad de Panamá

Address: David, Chiriquí, , Panama

[01/03/1999 – 31/12/2004] **Abitur**

Colegio Félix Olivares Contreras, David, Panamá

Address: David, Chiriquí, , Panama

LANGUAGE SKILLS

Mother tongue(s): Spanish

Other language(s):

English

LISTENING C2 **READING** C2 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

German

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

HOBBIES AND INTERESTS

Books, Basketball, Yoga, Meditation, Programming

DIGITAL SKILLS

Python(Pandas, Matplotlib, Seaborn, Pytorch, Tensorflow) | Docker | Microsoft Office | JavaScript | Google Earth Engine | ESRI ArcGIS, Spatial Analyst | Definiens eCognition | R and Rstudio | NumPy | QGis | C Programming | Unix - Linux (Optimal Knowledge) | Git and Github | SNAP - ESA | SAGA GIS | Use of the Anaconda packages manager | Use of the Anaconda environment | Jupyter notebooks | vim | PostgreSQL/PostGIS

HONOURS AND AWARDS

[10/08/2010] **Summa cum laude Awarding institution:** Universidad de Panamá