CURRICULUM VITAE (CV)

Family name: Almengor González

First names: Roger

Profession: GIS Developer

Date and place of birth: 16/02/1987 David Chiriquí, Republic of Panama

Nationality: Panamanian

Place of Residence: Füssen / Germany

Civil status: single

Education:

Date:	10/2014 – 08/2017
Institution	TU Munich
Principal subjects/occupational skills covered	Landscape Management, Forest Management, GIS, Remote Sensing
Degree(s) or Diploma(s) obtained:	M. Sc. Sustainable Ressource Management
Date:	03/2005 – 08/2010
Institution	University of Panama Chiriquí, Republic of Panama
Principal subjects/occupational skills covered	Environmental Management
Degree(s) or Diploma(s) obtained:	Engineer

Language skills:

Mother tongue(s): Spanish

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	C1	C1	C1	C1	C1

http://de.wikipedia.org/wiki/Gemeinsamer_Europ%C3%A4ischer_Referenzrahmen

Digital competence:

Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user

Digital competences - Self-assessment grid

Computer skills:

- Proficient user of office suite (word processor, spread sheet, presentation software)
- Proficient user of GIS software (ArcPro, ArcGIS, QGIS, SAGA, eCognition)
- Proficient user of programming languages for geospatial analysis (Python, Julia, JavaScript)

Other skills / Other Training:

2012	Introduction to Mirasilv (Forest Inventory); INFOA
2016	Python for Everyone
2016	Going to Places with Spatial Analysis in ArcPro; ESRI
2016	Earth Imagery at Work; ESRI
2016	Exploring GIS Maps; ESRI
2018	German Language Certificate (DSZ-B); Kolping Academy
2018	Applied Radar Remote Sensing; Friedrich-Schiller-Universität Jena
2019	Applied Machine Learning in Python; Coursera
2019	Introduction to Data Science in Python; Coursera
2020	Image Processing with Python; Python Academy
2023	Github and Git; Coursera
2023	Cyber Security; Knowbe4

Key qualifications:

- Programming: Python, Ansi C, SQL, UML, Julia, JavaScript (GEE), CSS, HTML, LaTeX, Markdown.
- Use of relational databases: PostgreSQL
- Use of geospatial databases: PostGIS
- GIS and Satellite imagery analysis: ArcGIS, QGIS, SAGA
- Operating Systems: Linux, Windows

Countries of Work Experience:

Republic of Panama

Employment Record:

Period	Employing organization and your title/position.	Contact information	Country	Summary of activities performed
Seit 01/2022	GAF AG	info@gaf.de	Germany	GIS – Software Developer
05/2022 – 08/2022	Saasmetrix GmbH	hello@saasmetrix.io	Germany	Backend Developer
01/2020 – 12/2021	German Aerospace Centre	Info@gaf.de	Germany	Scientific Researcher
04/2017 – 12/2019	GAF AG	info@gaf.de	Germany	Geospatial Analyst
02/2017 – 03/2019	GAF AG	info@gaf.de	Germany	Intern (GIS – Remote Sensing)
08/2016 – 10/2016	Remote Sensing Solutions GmbH	info@rssgmbh.de	Germany	Intern (GIS – Remote Sensing)
09/2011 – 09/2013	Forest Finance Panama	info@forestfinance.com	Panama	Forest and Environment Engineer

Professional experience record:

Name of assignment or project:	CAP – AMS
Year:	01/2021 – jetzt
Location:	Germany
Client (contact details):	Different federal authorities like the Federal Ministry of Agriculture in a multi-year contract
Main project features:	Implementation and further development of automatic remote sensing-based monitoring within the framework of the Common Agricultural Policy (CAP).
Positions held:	Geospatial Developer
Activities performed:	Development of tools for raster, vector, and machine learning, as well as interaction with a PostGIS database. Creation of tools for automating agricultural parcel monitoring using dense temporal image series from

	Sentinel-1, Sentinel-2, and Planet Fusion to detect deviations during the growth period.
Name of assignment or project:	HICAM
Year:	01/2020 − 12/2021
Location:	Germany
Client (contact details):	Helmholz for Environmental Research
Main project features:	As part of the HI-CAM project, the DLR, in collaboration with the Helmholtz Centre for Environmental Research, analyses the impact of climate change on cropland, grassland, and aquatic ecosystems. One of the objectives is to create a classification workflow for the year 2018 using in-situ data and Sentinel-1/2 time series, thus support further investigation for the adaptation of agricultural practices to climate change.
Positions held:	Scientific Researcher
Activities performed:	Creation and conceptualization of a map view of crop types for the years 2019-2020 at national level in Germany using the programming languages C and Python.
	Collaboration for the publication of a scientific report in a remote sensing and GIS journal related to the classification of crop types using images from the Sentinel-1 and Sentinel-2 missions.
Name of assignment or project:	High Resolution Layers (Grassland and Forest)
Year:	2018
Location:	Germany
Client (contact details):	European Commission
Main project features:	Creation of High-Resolution Raster Layers at European level with a 20-100 m spatial resolution with thematic classes.
Positions held:	Geospatial Analyst
Activities performed:	Processing of raster and vector layers for the classification of pasture and forest areas at the European level. Creation of rasterized products for each member state of the European Union in different geographic projections.
	Development of workflows for quality assurance of geospatial products.
Name of assignment or project:	Pure Forest
Year:	09/2011 − 09/2013
Location:	Republic of Panama
Client (contact details):	Federal Agency for Nature Conservation
	Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety
	Pure Forest GmbH

Main project features:	The project focuses on the certified management of forest areas and the reforestation of mixed forests in previously harvested areas. It involves the replacement of an existing teak monoculture with *Acacia mangium* as a preparatory step toward the transformation into native mixed forest.
Positions held:	Forest and Environmental Engineer
Activities performed:	Forestry and Environmental Inventory in Agricultural Areas. Surveying and Parcelling of Areas Based on Growth Projections. Coordination of Timber Harvesting, Transportation, and Intermediate Sales.

Publications:

Asam S, Gessner U, **Almengor González R**, Wenzl M, Kriese J, Kuenzer C. Mapping Crop Types of Germany by Combining Temporal Statistical Metrics of Sentinel-1 and Sentinel-2 Time Series with LPIS Data. Remote Sensing. 2022; 14(13):2981. https://doi.org/10.3390/rs14132981

Driving licence: A

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