ROY YALI SAMANIEGO

Geographer Engineer, Space Data Analyst & GIS Developer

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EXPERIENCIE

GIS Developer
INGEMMET

Mar 2018 – Ahora   Lima, Perú

- Development of GIS tools (addins, applications, widgets) within the framework of GEOCATMIN and for the different geoscientific offices of INGEMMET.
- Data modeling, design and development of mobile applications for the collection of spatial data.
- Management of GIS tools and databases in free and commercial software, as well as programming languages Python, R, C , Js, Oracle.

Hydrology Assistant
SENAMHI

Nov 2017 – Nov 2018   Lima, Perú

- Methodological proposal for the delimitation of watershed headers at the national level with programming tools and GIS.
- Development of GIS tools and hydrological analysis for the optimal location of hydrometric stations.

GIS Developer
INEI

Nov 2016 – Oct 2017   Lima, Perú

- Responsible for rural segmentation and cartographic update at the national level within the framework of the National Population and Housing Census project.
- Management of GIS tools, large databases and programming languages (Python, SQL Server) for the designation of rural census.

Hydrology Assitant & GIS Developer
ANA

Nov 2015 – Ago 2016   Lima, Perú

- Participation in hydraulic projects, hydrological watering at the national level applying remote sensing and GIS tools.
- Erosion potential system in the Paci fi c basins, developed in the Shiny environment of the IDE RStudio. Allowing the estimation of the dead volume by erosion, ideal for the management of water resources.

Hydrology Assitant
CIDHMA Engineers

Jun 2015 – Oct 2015   Lima, Perú

- Assistance in hydraulic projects, elaboration of flood reports, analysis of maximum floods, time series for water availability, among others.
- Topographic and bathymetric survey of the Rimac riverbed in the district of Chosica.

PROFILE

Geographer Engineer, with a solid moral training, proactive attitude, commitment and with ease to work in multidisciplinary groups. Experience in the public and private sector in the disciplines of geomatics and atmospheric sciences. High command in Geographic Information Systems (GIS), Remote Sensing and Water Resources. Knowledge of programming languages for data analysis and development; with a vocation to research and constant training.

COMPUTER SKILLS

Remote Sensing & GIS:

ArcGis   Envi   Erdas   Qgis   Saga

Programming:

Python   R   Git   Web   LaTeX

Database:

SQL Server   Oracle   PostgreSQL

LANGUAGES

English   ●●●○○

EDUCATION

Geographer Engineer
National University of San Marcos

2010 – 2015

ANOTHER SKILLS

2019 - **Machine Learning Inmersion**

2017 - **Graduate Web Programming**

2017 - **R to GIS and Remote Sensing**

2013 - **Remote Sensing Foundants**

2012 - **ArcGis 10.1**

2011 - **specialist in AutoCAD**