DIEGO ALARCÓN

M.Sc. in Remote Sensing

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ABOUT

Master in Remote Sensing and Land surveyor Engineer, with 9 years of experience in working with geographic information systems (GIS), extensive knowledge in software handling, human resource management and development projects. I work results-oriented and purposefully, try to make a valuable contribution to the organization and make decisions independently and critically.

EXPERIENCE

Customer Support Engineer
UP42

📅 Oct 2021 – Currently   📍 Würzburg, GER

- Coordination and compliance review of restricted and commercial data access.
- Resolution of technical issues in console, API and SDK.
- Configuration and management of the Zendesk platform for Customer Support.
- Internal support to other teams in the use of GIS, python and other tools.

Senior GIS Analyst
Aguas Andinas

📅 Nov 2018 – Sep 2019   📍 Santiago, CL

- Support and update of the GIS Department database.
- Update of the geodesic network of the company by using geodetic GPS.
- Process optimization for internal company information using ArcGis and Python.

Survey Engineer
Digimapas Chile Aerofotogrametría Ltda

📅 Jul 2018 – Sep 2018   📍 Santiago, CL

- Survey of data in the field by means of Total Station and Geodetic GPS.
- Generation of digital cartography for various civil works and mining projects.
- Analysis of Lidar data for finished products in various civil works and mining projects.
- Processing of data obtained in the field.

Trainee Planning Engineer
KTS Kabeltechnik GmbH

📅 Apr 2018 – May 2018   📍 Fulda, GER

- Fiber optic pipe and cabling planning for the regions of North Rhine-Westphalia and Hessen in the Federal Republic of Germany, with the use of GIS and aerial images.

Senior Project Engineer
Aconcagua Solutions

📅 Oct 2016 – May 2017   📍 Santiago, CL

- Data processing for filtering, increasing data quality and visualisation.
- Web scraping for public institutions information in Chilean and other South American companies.

EDUCATION

M.S. in Remote Sensing, EAGLE
Julius-Maximilians-Universität Würzburg

📅 Sept 2019 – Dec 2021

B.S. in Surveying engineer
Universidad de Santiago de Chile

📅 Mar 2006 – Oct 2011

MOST PROUD

Innovation
Creation of the official R GeodesiCL package.

Education
Achieve the dream of doing an internship at the DLR in Germany.

Mentoring
Creation of the Geocodigos Chile project where I taught the principles of coding for the Geosciences.

MAIN SKILLS

⊞ , 🍎 & 🐧   ●●●●●◖
ArcGis   ●●●●●○
QGIS   ●●●●●○
🐍   ●●●●○○
Ⓡ   ●●●●○○

LANGUAGES

Spanish   ●●●●●
English   ●●●●◖
German   ●●◖○○

Field Analyst II
Here Maps

📅 Sep 2013 – Feb 2016   📍 Santiago, CL

- Management of several projects, including Auto Dealership, Point of Interest, Extended lane.
- Field data collection using MultiCam technology.
- Data Base Engineer representative in Chile.

Project Engineer
Municipality of Providencia

📅 Apr 2012 – Feb 2013   📍 Santiago, CL

- Lead cartographic and IT implementation projects.
- Creation of an Excel Macro for the generation of Semiautomatic Report.

Project Engineer
Interra Chile

📅 Jan 2012 – Mar 2012   📍 Santiago, CL

- Manual classification of terrain data including generation of and editing of digital terrain models.
- Identification and interpretation of elements contained in orthoimages and subsequent generation of models.

EDUCATIONAL CORES

Master Thesis, EAGLE / Julius-Maximilians-Universität Würzburg

📅 Aug 2021 – Dec 2021   📍 Wüzrburg, GER

"Exploring the potential of remote sensing using machine learning to predict yields for table grape farms in Chile".

Applications:

- Data cleaning & preparation
- Python & R for Data Science
- The caret Package in R
- Remote sensing applications
- Machine learning applied to remote sensing

EAGLE Internship, German Aerospace Center (DLR)

📅 Mar 2020 - Apr 2020   📍 Oberpfaffenhofen, GER

Use of NTL-Sensors to analyse the use of EU funds for public investments.

Applications:

- Data preprocessing
- Calibration of NTL-Sensors
- Statistical aggregates & zonal histograms
- Time-series aggregation

Udemy & others

📅 Continuous learning   📍 Würzburg, GER

Learning different topics for Data Science.

Applications:

- Git+GitHub: A whole version control system from scratch
- 2022 Complete Python Bootcamp From Zero to Hero in Python
- Docker Essentials for Python Developers
- Machine Learning with R

REFERENCES

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