



Alexandre Ferreira Neto

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WORK EXPERIENCE

03/2019 – CURRENT

GEOSPATIAL CONSULTANT – FREELANCER

Consulting, training, and coaching in geospatial projects implementation.

Technical support and coaching on spatial analysis and workflows using QGIS, PostGIS, and other open-source tools. Creating QGIS processing models and python scripts to automate tasks.
QGIS Plugins development.

Working with several national and international clients (Cascais Municipality, Geoglobal, Socarto, Geolayer, Agresta(ES), Forest Metrics (US), ARSI (US), etc...)

01/2022 – CURRENT – Lisboa, Portugal

INVICTED LECTURER – NOVA IMS INFORMATION MANAGEMENT SCHOOL

Lecturer of **Group Project Seminar on Programming and Analysis** discipline in the international [Master Degree in Geospatial Technologies](#)

03/2016 – CURRENT

TRAINER AND GEOSPACIAL CONSULTANT – NATURALGIS

Training: Cartografia e Dataviz com QGIS; Bases de dados Geográficas com QGIS e PostGIS; Introdução à programação em Python para QGIS, PostGIS e QGIS na preparação para homologação de bases de dados RECART

Geospatial analysis and spatial database management. Technical Support

Address Portugal | **Email** geral@naturalgis.pt | **Website** www.naturalgis.pt

09/2018 – 09/2019

GEOSPATIAL CONSULTANT – INFORGEO, SISTEMAS DE INFORMAÇÃO GEOGRÁFICA, LDA

Spatial data management, quality control, and cartography for the Azores Islands Land cover survey project, using QGIS, PostGIS and Python.

Address Lisboa, Portugal

04/2016 – 03/2019

DOCUMENTATION AND QUALITY ASSURANCE LEAD – BOUNDLESS SPATIAL

Product Documentation and training content creation for Boundless Desktop (a QGIS based software package) and QGIS plugins; Boundless Desktop quality assurance, quality control and testing.

Address United States

01/2015 – 03/2016

GIS EXPERT – DIRECTORATE-GENERAL OF THE MARITIME NATURAL RESOURCES, SAFETY AND SERVICES

Spatial data management, geoweb services and metadata catalogue creation for the SNIMar project, in Instituto Português do Mar e da Atmosfera (IPMA). Sponsored by EEgrants.

Address Portugal

10/2008 – 01/2015

GIS EXPERT - CARTOGRAPHER – CASCAIS AMBIENTE

Spatial databases manager and spatial analysis for operational support (e.g., GIS for Landscape and habitat management plan, Municipal green infrastructure); Cartography, using PostGIS and QGIS

Address Alcabideche, Portugal

10/2001 – 09/2008

GIS TECHNICIAN – TURINTA, TURISMO INTERNACIONAL, LDA.

Creation and management of a GIS for Cartography production automation; Cartography.

Address Cascais, Portugal

10/2000 – 09/2001

SALES TECHNICIAN – INFORCEO, SISTEMAS DE INFORMAÇÃO GEOGRÁFICA, LDA

Satellite imagery sales; Digitalization quality control.

Address Lisboa, Portugal

03/2000 – 09/2000

TRAINEE – INSTITUTO GEOGRÁFICO DO EXÉRCITO (IGEOE) - REMOTE SENSING DEPARTMENT

Satellite imagery processing.

Address Lisboa, Portugal

● **EDUCATION AND TRAINING**

10/2014 – 11/2014

PEDAGOGICAL TRAINING COURSE FOR TRAINERS (90H) – Academia APAMM

CCP n.º F630328/2015

2007 – 2011 – Lisbon, Portugal

MASTER DEGREE IN SCIENCE AND GEOGRAPHIC INFORMATION SYSTEMS – School of Statistics and Information Management of the New University of Lisbon

Geographic Information Sciences, Spatial Analysis, Data Mining, Spatial Databases, Remote Sensing.

Address Lisbon, Portugal | **Level in EQF** EQF level 7

GIS, Remote Sensing, Photogrammetry, Geodesy, Topography, Statistics.

Address Lisbon, Portugal | **Level in EQF** EQF level 6

● LANGUAGE SKILLS

Mother tongue(s): **PORTUGUESE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
INGLÊS	C2	C2	C1	C1	C1
ITALIAN	A2	A1	A2	A2	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● PUBLICATIONS

Publications

Neto, A. 2014. SIG Open source na gestão ambiental municipal. 1ª Conferência Nacional de Geodesição. Correia, I.; Neto A.; Silva, V.; Saraiva, S.; Romana, J.; Melo, J.C.; Ley, C.; Cruz, C.S 2014. Ecological restoration of Guincho–Crismina coastal sand dune. Matos Silva, J., Antunes, C.R. & Bifulco, C. (eds.) Cascais World Forum 2012 Proceedings.

Neto, A., Silva, V., Pucariço, T., Reis, P. 2014. Cascais estrutura ecológica - Relatório técnico de análise, Cascais Ambiente;

Silva, V., Neto. A 2013. Proposta de Carta de Aptidão Agrícola e Florestal para Cascais, 7o Congresso Florestal Nacional "Florestas – Conhecimento e Inovação";

Neto, A., Painho, M. 2011. C&SIG na delimitação da estrutura ecológica municipal: aplicação ao município de Cascais, ISEGI;

Neto, A, António, V. 2000. Compensação de contraste e brilho de imagens para mosaico. Boletim do Instituto Geográfico do Exército Nov. 2000.

● NETWORKS AND MEMBERSHIPS

Memberships

Active voting member of the QGIS community (Python plugins, Documentation, UI/UX, and translations).
 Founder member of the Portuguese QGIS User Group (www.qgis.pt).
 Charter member of *Open Source Geospatial Foundation* (OSGeo) and Member of OSGeo Portuguese Chapter.

● PROJECTS

Projects

Author of the blog "[GIS unchained](#)", dedicated to sharing knowledge about Open Source Software for GIS (Written in Portuguese and English).

Author of QGIS Python Plugins: "[Multipart split](#)", "[Walking time](#)", "GISon3dMap" e "[qgis2carttop](#)"

- **COMMUNICATION AND INTERPERSONAL SKILLS**

Communication and interpersonal skills

Communicative, helpful and with a high teamwork capability.

- **JOB-RELATED SKILLS**

Job-related skills

High expertise in Geographic Information Systems (GIS): Spatial analysis, spatial database management, and cartography.

Extensive experience with GIS software: QGIS, PostGIS, Spatialite, and ArcGIS.

Extensive experience with Sphinx-Docs, git versioning, and AGILE development process. Good knowledge of Python and SQL.

Eager for new knowledge about GIS and programming. Particular interest in Open Source solutions.

- **TRAINING**

Training

Cartography with QGIS. Portuguese QGIS user group meeting 2014. Coimbra, Portugal

Cartography with QGIS. Comunidade intermunicipal do Vale do Tejo. 2016, Constância, Portugal

Atlas Tips and Tricks. QGIS User conference 2017. Girona, Spain

QGIS usage for municipal master planning. 2018, Cascais, Portugal

Atlas Tips and Tricks. QGIS User conference 2019. La Coruna, Spain.

Atlas: the map iterator. Swedish QGIS user group meeting 2019.

Cartography with QGIS. 2019, Lisbon, Portugal