PERSONAL INFORMATION	**Federico Gianoli**

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PERSONAL STATEMENT

I am a geographer specialized in Geographical Information System Science. I've always been passionate about QGIS and, since 2016 I am lecturer of GIS at the University of Padua. I have extensive expertise in the development of feasibility studies, master and structural plans. I am an expert in the development of Spatial Data Infrastructures (SDI), WebGIS and Database Management aimed at information and data processing. Since 2018 I'm working at Joint Research Centre (European Commission) as GIS Developer.

WORK EXPERIENCE

04/01/2018–Present

GIS Developer

Arcadia SIT - Joint Research Centre European Commission, Ispra (Italy)

- GIS Analyst
- WebGIS Developer

Main project: World Atlas of Desertification www.wad.jrc.ec.eu and Global Surface Water.

Developing the WebSite and the WebGIS Data catalog for the WAD, using Drupal, Leaflet, PostGIS and Geoserver.

01/08/2019–31/08/2019

GIS Developer

SGI-Studio Galli Engineering, Padova (Italy)

N'Djili Project:

Developing of a QGIS Plugin to compute the economic and social risk of flooding in N'Djili area (Kinshasa - Democratic Republic of Congo)

01/04/2019–20/05/2019

GIS Analyst

Idea Srl, Treviso (Italy)

Main project:

Pedemontana Veneta - Network analysis to analyze traffic data in Veneto

10/09/2017–31/12/2017

GIS Analyst and cartographer

Regione del Veneto

Main Projects:

Regional Cycling Cartography

Creation and updating of regional cycle path cartography

01/10/2015–04/2018

Lecturer and Project Manager

AIIG Veneto- Associazione Italiana Insegnanti di Geografia, Padova (Italy)

Main project:

"GPS, drones and landscape: the new geography that we were waiting for"

Created and facilitated a 6 hours laboratory for students (10-17years) about the new topics of geography. This project was totally funded by "Fondazione Cassa di Risparmio di Padova e Rovigo" in their "Attivamente" project framework. The laboratory involved 160 classes (around 4000 students)

during 3 years, in the provinces of Padua and Rovigo. For this project I have coordinate a staff of 5 people.

01/03/2017–31/12/2017	**GIS Analyst and WebGIS Developer**

SGI-Studio Galli Engineering, Padova (Italy)

Main Projects:

ASHRI 2

A Spatial Data Infrastructure based on Geonode for UNESCO, in order to present the hydrogeological data of Iraq, collected by SGI Studio Galli Ingegneria in the framework of the projects ASHRI and GEOFIA.

01/03/2015–Present	**Lecturer**

Univeristy of Padova - Master in GIScience and UAV, Padova (Italy)

Lecture:

- Introduction to GIS (16h course). 2015-2016-2017-2018
- Photogrammetry and UAV (16h course). 2016-2017
- WebGIS using GeoNode, Geoserver, Leaflet and Lizmap (16h course). 2016-2017-2018-2019

Workshops:

- Network Analysis (8h). 2017-2018
- Photogrammetry (8h). 2015-2017-2018-2019

01/09/2016–31/10/2016	**GIS Analyst**

Mobility in Chain, Milano (Italy)

- Production and analysis of GIS data
- Network analysis

Main project:

Study of catchment areas for Bologna airport

Study of mobility and accessibility of the major italian airports to understand the current and future catchment areas.

01/10/2014–31/12/2017	**GIS Analyst**

4LAND Nature Dynamics, Trento (Italy)

- Relief hiking paths with GPS and analysis of geographic data
- Analyzed geographic information and produced maps

Main Project:

Cartography of Euganean Hills

01/09/2015–31/12/2016	**GIS Analyst**

FTO Remotefly Padova, Padova (Italy)

Photogrammetry and GIS analysis

UAV Pilot

01/12/2015–31/12/2015	**GIS Analyst**

ENOIA Group, Dubai (United Arab Emirates)

- Production and analysis of geographic data
- Production of thematic cartography

Main Projects:

Shichahai urban plan (Beijing, China)

    Production and analysis of geographic data and thematic maps in GIS and Illustrator to support the urban renewal plan of Shichahai in the historic center of Beijing.

01/02/2013–31/03/2015   GIS Analyst

SGI-Studio Galli Engineering, Padova (Italy)

- Analyzed geographic information and produced project maps under tight deadlines.
- Organized geographical data into Geodatabase and wrote comprehensive reports.
- Made recommendations for territorial development and urban planning projects on an international team

Main Projects:

Structural Plans for Basra, Maysan, and Thi Qar Governorates

    Worked with local administrations as a GIS and Rural Development Strategy Expert to deliver extensive recommendations to guide the development of the infrastructure, natural resources, socio-economic aspects, public services, public facilities, water supply and sewerage of the region. The phases of research and information collection were developed through extensive field surveys and data-gathering from national and local offices. All three projects were worth over 3 million dollars and involved an international team of over two dozen people.

Master Plan for the Municipalities of Baijii, Sharquat, Dowr, and Tuz

    Developed a 25-year master plan for the Governorate of Salah al Din to create a more dynamic future for citizens including tourism, economic efficiency, social equity, and transportation with special attention to the region's natural environment and heritage.

National Atlas of Marshes and Wetlands for CRIM in Iraq

    Worked as a GIS Expert for the Center for the Restoration of Iraqi Marshes and Wetlands to identify and describe the most important wetland sites for the purpose of conservation. Accurate site description and characterization was completed by office and field surveys, and by remote sensing analysis combined with historical data.

Resource Plan for the Water Resources Ministry of Uganda

    Created detailed cartography for the future development of water supplies and sewage networks in the towns of Katwe, Koboko, and Rukungiri in the Northern and Southwest regions of Uganda.

01/09/2012–31/12/2013   GIS Analyst and Trade Manager

Geographica SL, Sevilla (Spain)

- Act as sales liaison between company and potential clients including Italian public administration officials.
- Evaluate public services infrastructure, created detailed cartography, and wrote comprehensive reports.
- Manage project database and digitized existing cartography.

01/03/2008–31/12/2016   GIS Lecturer and Project Developer

Fondazione Fenice Onlus, Padova (Italy)

- Develop environmental and educational projects funded by the EU as well as regional and private donors.
- Create informational material and design tours used by over a dozen tour guides.
- Facilitate GIS training for high school students financed by an EU educational grant.
- Maintain grounds, preserve facilities, and complete routine building maintenance.

01/12/2013–Present

Lectureships
UNIVERSITY OF PADOVA Padova, Italy

- GPS mobile apps to collect GIS data, for 30 students in October 2016
- WebGIS training for 25 students of Engineering Department in May 2016
- Facilitated a GIS traning for 40 students of Natural Science Department in April 2016
- Created and facilitated two-day workshop on GIS and Biodiversity for 50+ students in the Department of Civil, Environmental and Architectural Engineering in December, 2013.

Club Alpino Italiano (CAI) Padova

- Facilitate GPS training in order to use a Smartphone in an alpine contest.

AGENDA 21 CONSULTING

- Facilitated three-day workshop on QGIS and Relational Database Management (PostgreSQL & PostGIS)   for Agenda 21 employees in March, 2015.
- Created and facilitated three-day workshop on QGIS for Agenda 21 employees in April, 2014.
- Created and facilitated week-long course on QGIS and Geographical Information Systems for the Regional Park of Alta Valle Antrona in Villadossola, Italy in January, 2014.

Tecna SOC. CONS. A.R.L

- Created and facilitated two-week course on GIS and Renewable Energy for 30 unemployed students as part of a job-training program funded by the European Union in February, 2014.

EDUCATION AND TRAINING

01/09/2011–12/12/2012

Master's Degree in Management and Organization of Regional and Local Processes
University of Sevilla (Spain)

EQF level 7

01/09/2007–30/03/2011

Bachelor's Degree in Geography of Regional Processes
University of Padova (Italy)

EQF level 6

Continuing Education:
Python 3-Day Course, Terrelogiche (Sept. 2017).
GRASS 3-Day Course, University of Padua (Mar. 2015).
GeoDatabase with QGIS 3-Day Course, University of Padua (Mar. 2015).
GeoDatabase Open Source and PostgreSQL/PostGIS 2-Day Course, University of Padua (Nov. 2013).
Remote Sensing with Envi 3-Day Course, University of Padua (Oct. 2013).
WebGIS with QGIS 2-Day Course, Faunalia SRL Company (Sept. 2013).
GeoDatabase and Data Management 1-Week Course, Geographica SL Company (Nov. 2012).

PERSONAL SKILLS

Mother tongue(s)   Italian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
Spanish C2	C2	C1	C1	C1

English	B2	C1	B2	B2	B2

Communication skills

- good communication skills gained through my experience as lecturer
- excellent predisposition to teamwork

Organisational / managerial skills

- good team-leading skills gained as boy scout chief

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Independent user	Proficient user

Digital skills - Self-assessment grid

- GIS softwares (QGIS, ArcGIS, uDig)
- Web CMS (Drupal, Wordpress)
- HTML - CSS - JavaScript
- WebGIS usign LeafletJs
- GeoNode
- Web Map Server (Geoserver, QGIS Server)
- Basic python knowledge

Driving licence   A, B