

Technical Skills

Python	R	PostgreSQL
Quantum GIS	ArcGIS	Gephi
Spatial Analysis	Spatial Modeling	ENVI
eCognition	Remote Sensing	Javascript
Jquery	Web Mapping	HTML5
CSS3	Git	OS X
Windows XP/Vista/7/8	Linux (Ubuntu/Mint)	Adobe Creative Suite
Autocad		

Experience

Politecnico di Milano

Data Analyst

2015-Current

Evaluation of Lombardy regional development policies for the period 2007-2013 through the construction of complex geo-referenced database at the municipal level.

Politecnico di Milano

Junior Web-GIS Developer

2014-Current

Responsible for the front-end and the web-mapping application development for the project "The Alpine Landscape on Wikipedia", an open source web-app for valorizing Valsassina valley's Tangible and Intangible Cultural Heritage, as promoted by the European Union's Horizon 2020 directives.

Noovle

GIS Consultant

2013

Assisting the developers team (Noovle geo-spatial division) in devising and implementing analytical and visualization algorithms for the web-based spatial data management platform "GeoCMS".

Agenzia Mobilità Ambiente Territorio Srl

GIS Technician

2013

AMAT - OpenStreetMap (OSM) road network graph data alignment and validation. The work involved an extensive use of tools from the OSM ecosystem.

Milan Chamber of Commerce - OSMI

GIS Analyst Paid Intern

2012

Performed analytical evaluations of Real Estate market prices about density and location of Real Estate market's Demand/Offer. The results have been presented in conference at the presence of Milan's Urban Planning Councillor and published on a dedicated issue of DiBaio Editore magazine.

Education

C.f.p. “Vigorelli”

Python Programming

2012

Basic to medium level programming course in Python. The topics of the course included: Python architecture, Data structures and data manipulation, Procedural, OOP and Functional paradigms in Python, Databases with Python, Python for the Web.

Politecnico di Milano

Urban Planning and Policy Design (M.Sc.)

2011-2013

Grade : 110/110 cum laude

Activities and Societies: Visiting Student at Rijksuniversitet Groningen (RUG), Groningen, the Netherlands. Master thesis : “The Death of Distance in the Age of Urban Sensing”, supervised by Prof. Philip McCann of Rijksuniversiteit Groningen, Prof. Valeria Fedeli and Prof. Ilaria Mariotti of Politecnico di Milano. The thesis revisits the contemporary Economic Geography “Flat World” hypothesis by applying Network Analysis and Spatial Statistics techniques to a communication graph derived from crowdsourced mobile phone data.

Politecnico di Milano

“Sistemi Informativi Territoriali e Governo del Territorio, VI° Ciclo” (Postgraduate course)

2012

A post-graduate courses on GIS and Territorial Governance (fully funded via scholarship award).

Università degli Studi di Milano-Bicocca

Environmental Sciences (B.Sc.)

2008-2012

Bachelor thesis “Analisi del consumo di suolo, tramite fotografie aeree Visibile-Infrarosso Vicino” supervised by Prof. Roberto Colombo. The thesis derived a semi-automated procedure for mapping land use and soil consumption by applying Remote Sensing’s Object-Oriented classification techniques of Vis-NIR airborne imagery. The resulting analysis has been integrated in a larger project on Soil Consumption for the Lecco Province in northern Italy.

Honors and Awards

Outstanding Thesis Award “Stefano Pieracci”, XVIII° Edition

AISRE (Italian chapter of the Regional Science Association International)

2014

Award for the Master thesis researched at Rijksuniversitet Groningen (RUG) + Politecnico di Milano. The thesis focused on mobile phone crowdsourced data for revisiting the classic Economic Geography theory “the Death of Distance”. It made extensive use of spatial databases (PostgreSQL/PostGIS) and (geo)statistical analysis softwares (Qgis, R, Gephi).

Full Scholarship

Postgraduate course at Politecnico di Milano on “Sistemi Informativi Territoriali e Governo del Territorio, VI° Ciclo”

2014

A post-graduate courses on GIS and Territorial Governance.

Projects

Milanography

Web Developer

2015

Milanography is a participative mapping project focused on Milan’s neighborhoods. It originates from similar experiences (in particular the Bostonography research project) but is entirely built onto an open-stack: Postgres / PostGIS + Flask + LeafletJS, and is currently released publicly on Github.

NOKIA Mobile Data Challenge

GIS Analyst and Cartographer

2012

Title: “Identification of significant places and life practices through mobile usage data: a urban analysis perspective”.

Joins the team of cartographers and analysts from LADeC Laboratory at Politecnico di Milano.

Team members: Michele Ferretti + Fabio Manfredini + Paolo Tagliolato
