



Matteo Mazzucato

Nationality: Italian **Date of birth:** 29/07/1987 **Gender:** Male

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📍 **Home:** (Italy)

WORK EXPERIENCE

Scholarship - IT technician

Istituto Zooprofilattico Sperimentale delle Venezie [14/03/2007 – 13/09/2007]

Address: Viale dell'Universita, 10, 35020 Legnaro (PD) (Italy)

Website: <http://www.izsvenezie.it/>

- Implementing personal databaes and user interfaces;
- Drafting of user manuals;
- IT support;

Database manager (Ass. Tec. C - programmatore)

Istituto Zooprofilattico Sperimentale delle Venezie [24/09/2007 – 15/03/2009]

Address: Viale dell'Università, 10, 35020 Legnaro (PD) (Italy)

Website: <http://www.izsvenezie.it/>

- Analysis, design and implementation of databases;
- Managing spatial data on personal geodatabases;
- Drafting user manuals;
- Creating thematic maps using commercial GIS software;

Software developer (Ass. Tec. C - programmatore)

ARPA Veneto [16/03/2009 – 19/09/2010]

Address: Via Paolucci, 4, 31125 Mestre (VE) (Italy)

Website: <http://www.arpa.veneto.it/>

- Analysis, design, implementation and maintainance of geodatabases for hydrological and hydrographical data management;
- Creating thematic maps using commercial GIS software;
- Developing of desktop applications;
- IT support to hydraulics monitoring on the field and during emergencies (Centro Funzionale Decentrato and Protezione Civile);

Software developer & GIS Programmer (Ass. Tec. C Programmatore)

Istituto Zooprofilattico Sperimentale delle Venezie [20/09/2010 – 15/06/2021]

Address: Viale dell'Università, 10, 35020 Legnaro (PD) (Italy)

City: Legnaro

Country: Italy

Website: <http://www.izsvenezie.it/>

- Analysis, design, development and maintainance of web applications and webGIS, using different tecnologies;
- Analysis, design, implementation and maintainance of databases/geodatabases using both commercial and open source DBMS (and extensions);

- UX / UI designing for web and mobile;
- Web designing;
- GIS analysis on environmental data and Satellite imagery analysis (Remote Sensing);
- Creating thematic maps for Veterinary Public Health activities using both commercial and open source GIS software;
- Supporting server maintenance on Windows™ e Linux™ (Ubuntu);
- Involved in national and international projects in the field of Veterinary Public Health;
- IT Expert in OIE international cooperation projects;
- Contribution to open source projects;
- Contribution to scientific projects/researches (national and international);
- Contribution to training activities (national and international);
- Contribution to project management;
- Contribution to writing scientific papers;

GIS specialist (Col. Tec. D)

Istituto Zooprofilattico Sperimentale delle Venezie [20/06/2021 – Current]

City: Legnaro

Country: Italy

- Participation as Unit technical member or responsible in multiple national and international projects in the field of Veterinary Public Health;
- Analysis, design, development and maintenance of databases and geo-databases on multiple technologies;
- Analysis, design, development and maintenance of web applications on multiple technologies;
- Analysis and design of UI/UX components on multi-platform applications;
- Data analysis and scripting using different languages (R™, Python™) or by using Business Intelligence software (Qlik Sense™);
- GIS analysis on commercial (ESRI™) and open-source software (QGIS™, R™);
- Analysis of satellite data derived from Remote Sensing;
- Production of reports and thematic maps (static and dynamic) in the field of Veterinary Public Health (ESRI™, QGIS™);
- Contribution to the drafting of scientific articles;
- Contribution to training activities at national and international level;
- Contribution to the development of plugins on QGIS.

EDUCATION AND TRAINING

High School Diploma of technical chief (computer science)

I.T.I.S Francesco Severi [12/09/2001 – 01/07/2006]

Address: Via Pettinati, 46, 35020 Padova (Italy)

Website: <https://www.itiseveripadova.edu.it/>

Electronics and Telecommunications, Computer Science and Systems

Land and landscape restoration and enhancement

University of Padova - School of agricultural sciences and veterinary medicine (Agripolis) [08/09/2014 – 13/12/2018]

Address: Viale dell'Università, 16, 35020 Legnaro, Padova (Italy)

Website: <https://www.agrariamedicinaveterinaria.unipd.it/>

L-21 - Town, regional and environmental planning

Data Science

University of Padova - Math department (Tullio Levi-Civita) [30/09/2020 – Current]

Address: Via Trieste, 63, 35021 Padova (Italy)

Website: <https://datascience.math.unipd.it/>

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION C1

DRIVING LICENCE

Driving Licence: A2

Driving Licence: B

PROJECTS

Projects

- IT Expert in the OIE Pilot Project " Implementation of a standard for the collection and sharing of zone geographic component ";
- IT Technician in the OIE International Cooperation Project "Improving NVRI laboratory capacity for a better control of the Avian Influenza virus at National and Regional level";
- IT Expert in the OIE International Cooperation Project "Capacity development for implementing a Geographic Information System (GIS) applied to surveillance, control and zoning of avian influenza and other emerging avian diseases in China.";
- Operative Unit Chief in the research IZSVE 03/14 RC: "Sviluppo di un protocollo operativo per l'implementazione di Infrastrutture di dati geografici a supporto dell'azione di sorveglianza veterinaria – IZSVE-SDI";
- Operative Unit Chief in the research IZSVE 10/14 RC: "Messa a punto di una piattaforma efficace e moderna per l'applicazione di metodi molecolari nell'ambito di studi di source attribution, di indagini epidemiologiche e sorveglianza di Salmonella";
- IT developer/contributor for previous projects: AHPsoftware, CoordinateMobile, Entervet, Entobase, E.V.E., GISCourseManager, GISEntoTrap, GISUserManager, IZSveGIS, IZSve Metadata Catalogs;
- Contributor on the VetEpiGIS suite plug-ins development for QGIS, composed by Tool (<http://plugins.qgis.org/plugins/VetEpiGIS-Tool/>), Stat (<http://plugins.qgis.org/plugins/VetEpiGISStat/>), Group(<http://plugins.qgis.org/plugins/VetEpiGIS-Group/>);
- Contributor on the EN-IT translation for the catalog application GeoNetwork-opensource, and Semi-automatic Classification Plugin on Transifex;

ORGANISATIONAL SKILLS

Organisational skills

- Previous experience in projects and working groups with multicultural staff (previous involvement in national and international projects in the field of Veterinary Public Health);
- Project management (derived from previous work experience);
- Self-management and scheduling (derived from previous work experience);
- Problem-solving.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Good teamwork skills and good social skills;
- Good capacity to work in multicultural environments;
- Good communication skills.

JOB-RELATED SKILLS

Job-related skills

Software developer and dev-op:

- Good knowledge of development languages, tools and frameworks for web development (currently working with PHP, JQuery, OpenLayers, Leaflet, ReactJs);
- Basic knowledge of UML;

Previous experience in the development in Visual Basic™, Java™ and C++;

GIS:

- Excellent knowledge of GIS Software (currently working with ESRI™ ArcGIS Desktop and QGIS);
- Good knowledge of R™ for statistical and GIS analysis, ESRI ModelBuilder™, Grass, SagaGIS;

Database:

- Excellent knowledge of SQL
- Good knowledge of DBMS/geoDBMS (currently working with Oracle™, PostGRE with PostGIS);
- Good knowledge of personal DBMS (SQLite with SpatialLite, Microsoft Access™);
- Good knowledge of PLSQL, PgAdmin;

Project Management / Software Manager:

- Excellent knowledge of Gantt Project, Trello™;
- Good knowledge of GitHub, GitLab, BitBucket™;
- Good knowledge of Agile methodology;

Web-designer and graphic artist:

- Excellent knowledge of CMS (Wordpress, Joomla);
- Excellent knowledge of Adobe™ Photoshop™, Affinity™;
- Good knowledge of Figma™;
- Good knowledge of Affinity™ Design;

Previous experience in the use of InVision™, DreamWeaver™, InDesign™, Adobe™ XD, Flash™, Image GIMP;

Previous experience in the video editing using Da Vinci Resolve™;

Backend/Systems:

- Excellent knowledge of Microsoft Windows™;
- Good knowledge of Tomcat and Apache;
- Good knowledge of Geoserver;

Previous experience in the setup of Linux (Ubuntu) server, ESRI™ ArcGIS Server, MapServer.

OTHER SKILLS

Other skills

- Good artistic skills and previous experience on graphic design, brand identity as free lance;
- Good training skills derived from previous experience in lecturing and courses at national and international level.

OTHER PERSONAL SKILLS

Other personal skills

- Motivated;
- With initiative;
- Flexible;
- Predisposed to team working;

- Willing to travel.

LECTURING

Lecturing

Currently I'm involved in specific training activities related to Cooperation projects between IZSve and other countries;

Previously:

- **Epidemiology and GIS in the Management of Marine Aquatic Animal Diseases.** IZSve, Padova (Italy), 17/06/2019 - 21/06/2019;
- **IZSve in-house training: A unique system for Environmental data management to support Veterinary Epidemiology.** IZSve, Padova (Italia), 15 October 2019;
- **Rafforzare la formazione in entomologia di sanità pubblica degli operatori SSN: identificazione, metodiche di sorveglianza e di controllo.** Università degli studi di Padova, Padova (Italia), 23-27 August 2019;
- **Practical use of GIS in animal disease response.** Support to the veterinary sector in Montenegro (study tour), IZSve, 28 May 2019;
- **The use of GIS in animal disease response.** E-learning online course (<https://learning.izsvenezie.it>), 13/02/2018 - 12/02/2019;
- **The use of GIS in animal disease response.** Shenzhen, P.R.China, IZSve OIE collaborating center and CAIQ, 12-16 March 2018;
- **Geographic Information Systems (GIS) applications in animal disease management.** On-line course, IZSve OIE collaborating center, 2018.
- **L'attività di ricerca corrente in IZSve dei progetti, conclusi nel 2017, finanziati dal ministero della salute** - Legnaro, Padova (Italia), 12 April 2018;
- **L'uso di tecnologie informatiche in ambito veterinario. Le applicazioni anagrafiche, statistiche e geografiche per le AAS della Regione FVG.** AZIENDA PER L'ASSISTENZA SANITARIA N. 4 " FRIULI CENTRALE", Sala Padiglione ex 21. Via Pozzuolo 330, Udine (Italia), 23 May 2016;
- **OIE training course on GIS management and spatial analysis in veterinary public health "GIS tools and methods in control of emerging avian diseases".** Istituto Zooprofilattico Sperimentale delle Venezie. Venice area, Italy, 10-14 November 2014;
- **Corso pratico all'uso del GIS in ambito veterinario.** Istituto Zooprofilattico Sperimentale delle Venezie. Dipartimento di Sociologia – Università degli studi di Padova , Padova (Italia), 23-24 February 2009.

PUBLICATIONS AND SCIENTIFIC PAPER

Publications and scientific paper

Author and Co-author or more than 70 publications in peer-reviewed journals, national journals, and national and international conferences

Scopus Author ID: 53264289700

ORCID: 0000-0003-4019-2855

Please see the attachment file with the complete list.

TRAINING AND PROFESSIONAL EXPERIENCE

Training and professional experience

Over the years I have participated in various training courses, conferences and workshops.

Please see the attachment file with the complete list.