Lorenzo Amici

Address: via Enrico Arosio, 20900, Monza, Italy

Email address: lorenzo.amici@polimi.it   **Phone number:** (+39) 3491165689

LinkedIn: https://www.linkedin.com/in/lorenzo-amici-299755193/

GitHub: https://github.com/lorenzoamici

Gender: Male   **Date of birth:** 21/12/1995   **Nationality:** Italian

WORK EXPERIENCE

[01/02/2022 – Current]

Research fellowship

Politecnico di Milano

City: Milano
Country: Italy
Main activities and responsibilities:
Organizational and research activity aimed at the implementation and testing of a business intelligence platform in the context of the SIMILE project (Informative System for the Integrated Monitoring of Insubric Lakes and their Ecosystems)

[12/01/2022 – 31/01/2022]

Internship

Politecnico di Milano

City: Milano
Country: Italy
Main activities and responsibilities:
GIS procedures for the analysis of the ecological quality of lakes using earth observation techniques (satellite data, low cost sensors data, citizen science data) in the context of the SIMILE project (Informative System for the Integrated Monitoring of Insubric Lakes and their Ecosystems)

EDUCATION AND TRAINING

[09/2018 – 21/12/2021]

Master degree in Geoinformatics Engineering

Politecnico di Milano

Field(s) of study: Engineering, manufacturing and construction
Final grade: 110 cum laude
Type of credits: CFU   **Number of credits:** 120
Thesis: Landslide susceptibility mapping and displacement monitoring: a case study in Northern Lombardy
Main subject / occupational skills covered:
Computer Science subjects: Computer architecture, Data Bases, Software Engineering, Computer Security, Design and Implementation of Mobile Applications.

Environmental/GIS subjects: Geospatial Data Analysis, Geographic Information Systems, Positioning, Earth Observation.

Bachelor in Environmental Engineering

Università di Roma La Sapienza

Field(s) of study: Engineering, manufacturing and construction : *Environmental protection technology Building and civil engineering*
Final grade: 104
Type of credits: CFU **Number of credits:** 180
Thesis: Evaluation of the accuracy of the ALOS and SRTM DEMs with the Google Earth Engine platform
Main subject / occupational skills covered:
Base studies in Math, Physics and Chemistry.

Advanced studies in Topography, Geology, Geotechnic and Hydrology.

Machine Learning A-Z™: Hands-On Python & R In Data Science - online course

Udemy https://www.udemy.com/course/machinelearning/

ude.my/UC-06d35307-7e38-4de2-9636-a4712fd24615
Main subject / occupational skills covered:
Data Preprocessing, Regression, Classification, Clustering, Association Rule Learning, Reinforcement Learning, Natural Language Processing, Deep Learning, Dimensionality Reduction, Model Selection and Boosting

LANGUAGE SKILLS

Mother tongue(s): Italiano

Other language(s):

Inglese

LISTENING C1 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Spagnolo

LISTENING A2 **READING** A2 **WRITING** A1

SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** A2

DIGITAL SKILLS

Programming languages

Flutter/Dart | C programming | Python programming | R | GIS systems (QGIS, ArcGIS, GRASS) | Sphinx documentation | SNAP | Front-end programming (HTML5, CSS, JavaScript)

Other skills

Git, GitHub | Good knowledge of Matlab | Windows and Linux operative systems | Good knowledge of Back-End technologies (Node.js, Express) | Office Packet

PUBLICATIONS

[2022]

Monitoring Landslide Displacements through Maximum Cross-Correlation of Sentinel-2 Satellite Images

https://doi.org/10.31490/9788024846026-7

Extended abstract presented at the GIS Ostrava 2022 conference

DRIVING LICENCE

Cars: B

PROJECTS

[01/05/2021 – 01/09/2021] **TO(gether)DO mobile application**

Development of a mobile application using Flutter for the "Design and Implementation of Mobile Applications" course of Politecnico di Milano

https://gitfront.io/r/malta895/6d2b43c6b7bbdd770db623b63b31a05b0e8ba416/
TOgetherDO/

[01/11/2020 – 01/04/2021] **GIS4Schools and SIMILE projects documentation**

Development of the documentation for two projects of the GIS GEOLab of Politecnico di Milano, in the context of a reremunerated collaboration activity with the university

https://gis4schools.readthedocs.io/en/latest/

[04/2020 – 07/2020] **QGIS Documentation**

Development of a documentation for the QGIS 3 software, in order to guide UN staff in the learning of the software, promoting the shift towards Free and Open Source applications

https://github.com/lorenzoamici/QGIS_documentation

[03/2020 – 06/2020] **InSieme volunteering association website**

Front-end development of a website for a volunteering association; this project is the result of a group work (3 people) for the exam of Hypermedia Application at Politecnico di Milano

https://insieme-hya.herokuapp.com/

COMMUNICATION AND INTERPERSONAL SKILLS

Teamwork and communication in a multicultural context developed during project works at university