



DILETTA GOGLIA

COMPUTER SCIENTIST

ABOUT ME

I was born in Italy, in the province of Rome, on the 15th day of September, 1996. I am an Italian national. I am currently living in Pisa.

CONTACTS

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HOBBY

- AIXIA member
- SGI member
- AJL movement supporter
- Activist for Senz'Atomica

CERTIFICATES

- Samsung Innovation Camps
- Digital Food Communication
- Make In Italy
- Basic Life Support
- Attestation de mérite pour l'étude de la langue française

AWARDS

- University of Pisa performance ranking, for ICT assistance job position at Medical School
- University of Pisa performance ranking, for ICT technical staff assistance job position
- Study Grant for the training event "Make in Italy"

LANGUAGES

Italian	Native
English	CEFR level: B2 First
French	CEFR level: A2

PROFILE

I am a **Full Stack Web Developer**. I have the following **IT knowledge and experience**:

- Natural Language Processing
- IoT application development
- Markup languages: HTML, CSS, XML, XHTML, XSL-T, RelaxNG, RDF, RSFS, OWL, SPARQL, JSON
- Scripting languages: Python, PHP, JavaScript
- Database: SQL for relational DBMS (MySQL)
- Other programming tools: Keras, Tensorflow, Flask, jQuery, Google API, AJAX call
- Graphic design: Adobe Photoshop, Illustrator, InDesign
- CMS management and Social Network Management

EXPERIENCE

- Technical support to operators at the IT centre of Medical School.**
Santa Chiara Hospital, Pisa | MAR 2020
- Social Media Editor**
"Internet Festival" event, Pisa | OCT 2019
- Technical assistance and post-production of multimedia content.**
University of Pisa | NOV 2018 - SEPT 2019
- Web designer**
ICT agency Memphremagog, Lucca | JUN 2018
- Web Designer, Promoter, Social Media Manager**
"Vintage", Pisa (food & restaurant) | MAY - JUN 2018
- Digital publishing – ebook development (curricular internship)**
University of Pisa | MAR - MAY 2018

EDUCATION

- MSc Student in Artificial Intelligence**
University of Pisa | 2019 - 2021
- Bachelor's Degree in Digital Humanities**
University of Pisa | 2015 - 2018
Final grade: 110/110
- High school diploma (scientific lyceum)**
Civitavecchia, RM | 2011 - 2015
Final grade: 95/100

PUBLICATIONS

- Amplifying bias, automating racism. Ethically framing the issue of algorithmic discrimination**
University of Pisa | JUL 2020
- Linked Open Data per il Cultural Heritage italiano: conversione e pubblicazione nel Semantic Web del Fondo antico del Comune di Novi Ligure**
University of Pisa | A.Y. 2018-19

DL & ML SKILLS

My **Deep Learning and Machine Learning skills** are: Bayesian learning, Graphical and generative models (HMM, MRF), DL techniques (CNN, Autoencoders, DBN, etc.), DL for machine vision and signal processing, Advanced neural network models (recurrent, recursive, etc.) for learning and forecasting, Reinforcement learning, Signal processing and time-series analysis, Image processing, filters and visual feature detectors, Pattern recognition applications: machine vision, bio-informatics, robotics, medical imaging, etc., ML and DL libraries.

RECENT PROJECTS

- SmartBin, a Smart Solution for Garbage Management | IoT device using Arduino, MySQL & Flask
- Gated Recurrent Neural Network (LSTM) for multivariate timeseries prediction | Python, Keras
- Hidden Markov Model with Gaussian emission for regime detection | Python
- Image processing with SIFT algorithm | Python
- OWL Ontology in Turtle Notation
- Data Journalism investigation about supplement consumption | Web App with SQL db & PHP query API
- Human-language features extraction, annotation and statistic analysis | Python, NLTK
- The question of embodied intelligence in behaviour-based robots: a review | Report
- Logo, booklet, poster, leaflet and website mock-up for a corporate branding | Graphic Design products