VITTORIO MAGGIO

MACHINE LEARNING ENGINEER

EXPERIENCES

Jan 2022 - July 2022
Software Engineer Intern at Expert.ai
NLP - I developed a Named Entity Recognition model with weak supervision on financial documents (Standard and Poor's dataset)

2020 - Now
Writer on Medium for Analytics Vidhya
vittoriomaggio.medium.com

Jun 2019 - Sep 2019
Internship at DISCo, University of Milano Bicocca
I developed a machine learning model to estimate the engagement on social networks

Oct 2015 - Nov 2015
Internship at Goldston properties, London, UK
IT assistant

PROFESSIONAL SKILLS

Natural Language Processing
Deep Learning
Data analysis

Programming Language:
Python (Advanced level)
Java, R (Intermediate level)
C++ (Basic level)

Main ML/NLP packages:
Tensorflow, Pytorch, Transformers, SpaCy, NLTK, gensim, scikit-learn, matplotlib, pandas, numpy

SOFT SKILLS

Resourcefulness
Leadership
Problem solving
Quick learner
Work in a team

LANGUAGES

Italian (native)
English B2 (IELTS certificate)

HOBBIES

Tennis
Gym
Travel
Reading

CONTACT

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PROFILE

I am an enthusiast in the world of artificial intelligence, I strongly believe that it is changing the world and will continue to do so.

I got in touch with the world of artificial intelligence during my first year of university when I knew many PhD students who were working on computer vision, autonomous agents and natural language processing problems. These topics fascinated me and I decided to explore them more in-depth, initially self-taught, and subsequently conducting my bachelor's degree thesis on a machine learning project. I later graduated in the master's program in computer science following a path focused on artificial intelligence.
This allowed me to conduct my first work experience (in the Expert.ai company) working on Natural Language Processing tasks.

My many other interests include finance, politics and marketing. I spend a lot of time searching for innovative solutions that could resolve problems related to these topics with AI-based approaches and data-driven analysis.
I continue to develop personal projects that I will share on vittoriomaggio.github.io and on my blog: vittoriomaggio.medium.com

EDUCATION

MASTER IN COMPUTER SCIENCE
University of Milano-Bicocca | 2019 - 2022

Main courses: Machine learning, Probabilistic models, Complex Systems, Advanced Machine Learning, Data Analytics, Artificial Intelligence, Information Retrieval, Digital Signal and Image management.
Thesis: Weak supervision approaches for named entity recognition (internship Expert.ai)

BACHELOR IN COMPUTER SCIENCE
University of Milano-Bicocca | 2016 - 2019

Thesis: Estimate the engagement on social networks
Thesis topics: Data scarping, Sentiment analysis, Google NIMA, Neural networks

ITALIAN COMPUTER SCIENCE OLYMPIAD (REGIONAL PHASE)
2015

Passing the school phase and participating in the regional phase of the computer science Olympiad, 2014-2015 edition.

RELEVANT PROJECTS

PYTHON PACKAGE: FASTNER
2022

A Python package to finetune transformer-based models for the Named Entity Recognition task in a simple and fast way.
GitHub: github.com/vittoriomaggio/fastner
PyPI: pypi.org/project/fastner

WEAK SUPERVISION APPROACHES FOR NAMED ENTITY RECOGNITION
2022

Topics: Weak Supervision, Named Entity Recognition

VOICE ASSISTANT, USER RECOGNITION (VOICE AND IMAGE) AN EMOTION REGONITION (IMAGE)
2021

Topics: Speech recognition, Image recognition, Speech to Text, Text to Speech

AMERICAN ELECTION 2016 TWEETS ANALYSIS
2021

Topics: Named entity recognition and linking (DBpedia) Knowledge representation and polarization analysis (BERT, GloVe, W2V)

TOXIC COMMENT CLASSIFICATION (KAGGLE CHALLENGE)
2021

Topics: Easy Data Augmentation (EDA), Long-Short Term Memory (LSTM), DistilBERT finetuning