DANIELE MOROTTI

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I always work with passion and constancy to improve myself and learn new technologies which I use to solve problems and to create new projects. I like to work in a team to compare my ideas with others. Currently my interests are anything having to deal with AI, with a particular interest in Deep Learning and Natural Language Processing.

EDUCATION

2021 – Present
Master's Degree in Artificial Intelligence, University of Bologna
A two-year master's degree in Artificial Intelligence which provides solid competence in the innovative applications of AI.

2018 – 2021
Bachelor's Degree in Computer Science, University of Bologna
Graduated with score **108/110**. As a graduate project I created an anti-counterfeiting system, for the fashion industry, that could be run on the Ethereum blockchain.

2013 – 2018
High School Diploma, Liceo Scientifico F. Alberghetti
Graduated with score 95/100.

PROJECTS

ARGUMENT RETRIEVAL FOR COMPARATIVE QUESTIONS
December 2022 – January 2023
We implemented different models in order to retrieve the most relevant documents, given a list of queries, from a subset of the ClueWeb12 dataset. As second task, we performed stance detection on the most relevant documents.

VLSI DESIGN *August 2022 – September 2022*
Implementation of 3 different models using CP, SMT and MIP techniques that can tackle several instances of the VLSI design problem.

BLIND IMAGE SEPARATION *July 2022*
I created a convolutional network for the *Deep Learning* course which is able to separate 2 overlapped images taken from the MNIST and FASHION MNIST datasets.

M-M *September 2020 – December 2020*
Built 3 web applications using HTML, CSS, JS, VUE.js, designed to be used by children in museums. Made as part of Web Technologies course.

LANGUAGES

Italian (native), English (professional).

IT SKILLS

The following languages were used during the degree course: Python, JavaScript, C++, Solidity, SQL, C, Lisp. In addition some libraries and frameworks were used in the projects and exercises carried out. Some of these are NumPy, TensorFlow, Keras, PyTorch, Scikit-learn, jQuery, Bootstrap. Both Windows 10 and some Linux distros have been used as operating systems.

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