GIULIO CAPPELLANI

PROFILE

25 years old international student moved to San Francisco on his own, always driven by its passion for learning new cultures, for his career and for challenging himself. Sport lover, previously instructor of sailing and windsurf, now moving to kitesurf; passionate in snowboard, ski and jujitsu too. The willing to learn how to learn is what drove all of this, developing a a problem solving attitude not only for academic results, but also for a daily basis.

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LANGUAGES	LEVEL
Italian	native
English	excellent
Spanish	fluent

INTERNSHIPS AND EXPERIENCES

Project for VMWare — Machine Learning for Open Source community — 4 months

Developed a working Kubeflow pipeline using Google Cloud Platform and Kubernetes to support and organize intense workflow of a ML model trained to predict healthiness scores of any GitHub Open Source project in terms of inclusiveness and constructiveness using NLP. Used the GitHub API to extract the informations needed, automatized the entire process and provided a user-friendly interface to interact with. Leaded the team of 4 people and managed relationship with the sponsors.

Internship at Sapienza — Algorithm researcher — 5 months

DNA manipulation is a practice that finds a variety of application in the pharmaceutical and biotechnologyc fields (such as for the sequencing of the human genome or for reducing the aggressiveness of the viruses by reducing their mRNA translation rate) the dissertation "An advanced algorithm for DNA sequencing for Bioinformatic" aims to help the future steps in such fields.

EDUCATION

University of San Francisco, California, USA — CS Master Degree, exp in May 2022

A two-year master's degree mostly focused on Artificial Intelligence and Machine learning — based software development, with a strong design component of advanced algorithms. Among the most useful frameworks and libraries that the study path addressed has provided is worth mentioning: Eclipse, Intellij, MySQL, PostgreSQL, Apache, Jetty, Velocity .

Sapienza, University of Rome, Italy — Computer Science Degree, 2020

Completed a year in advance. The academic program (awarded among the best 100 in the world) provided a strong background in all the fundamental branches of Computer Science.

PROGRAMMING LANGUAGES	LEVEL	SPECIALIZATIONS
Python	expert	Data analysis, Machine learning, AI, Deep learning
Java	expert	Software development, Multithreading, Web development
SQL	advanced	Relational Databases
C	good	Operating Systems
Javascript	good	Front end support, Server Communication

OTHERS   Pytorch, Tensorflow, C, Assembly, Javascript, AJAX, Jquery, HTML, Bash, Java Server Pages

MAIN SKILLS

SOFTWARE DEVELOPMENT
- Design Patterns
- Multithreading
- SQL - Relational Databases
- Back end development

ARTIFICIAL INTELLIGENCE
- Genetic Algorithms
- Natural Language Processing
- Knowledge Representation
- Probabilistic Reasoning Systems

MACHINE LEARNING
- Regression Models
- Classification Models
- Neural Networks
- Reinforcement Learning

OTHER MEANINGFUL SKILLS AND CURIOSITIES

The study path addressed has provided many opportunities to learn the basis, deepen, research and sometimes review in the field of algorithms. Leading to the acquisition of knowledge in designing a variety of efficient algorithms. Currently enrolled in the second year (out of 3) of Physics degree at Sapienza, university of Rome, too.