Giammarco D'Alessandro

Master Degree in Computer Engineering

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Education

M.sc. in Engineering in Computer Science   *Sapienza University of Rome, Italy*
Master's degree (english)   *2020 – 2023*

Thesis: Parameterized CF explanations for node classification in GNNs
Advisors: Prof. Fabrizio Silvestri and Prof. Simone Scardapane

Exchange Semester   *University of Groningen, Netherlands*
Erasmus+ programme   *Feb 2020 – July 2020*

Major: Computer Science and AI, Faculty of Science and Engineering

B.sc. in Computer and Control Engineering   *Sapienza University of Rome, Italy*
Bachelor's degree (italian)   *2016 – 2019*

Thesis: PoC of the database of a blockchain network for copyright management
Advisor: Prof. Andrea Vitaletti

Experience

Interpreter   *E' Sempre Festa*   *May 2024*
Interpreter (English-Italian) at the Eurocross 2024 organized by the Bank of Italy (Banca d'Italia)

Academic support officer   *Sapienza University of Rome*   *2018 – 2021*
Management of the Computer, Control and Management Engineering department library
(dipartimento di ingegneria Informatica, Automatica e Gestionale Antonio Ruberti)

Selected projects

Decision Tree to understand CNNs   *Neural Networks, Sapienza*   ⊙
Decision Trees to extract object-part contributions to a CNN (VGG-16) the final prediction

Image Classification with small data   *Machine Learning, Sapienza*   ⊙
Deep ensembles of small-scale convolutional networks for multi-class classification on a small dataset

DomWorld: network motifs and dominance hierarchies   *ASOSS, University of Groningen*   ⊙
Network motifs analysis techniques to investigate dominance hierarchies in a group of individuals

VABlockchain   *Visual Analytics, Sapienza*   ⊙
A visual analytics tool to explain blockchain systems energy consumption

Technical skills

Programming Languages	Python, C, C++, Node.js, Java
Framework	PyTorch, Pytorch-geometric
Tool	Git, Docker, Linux, VSCode, Latex

Soft skills

Languages	Italian (native), English (fluent), Spanish (beginner)
Cooperative	thanks to many group projects at university
Respectful	thanks to the multi-cultural Erasmus+ experience

Interests

I love to read books and watch movies when inside, playing tennis and hiking when outside.