

Ivan Diliso - Curriculum Vitae

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Born: 27th October 1998
Status: Master Degree Student
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I am a curious, competitive, hungry for knowledge person intending to pursue my career in the data field, with a particular interest for machine learning methods and data analysis. In my projects I strive to achieve optimization and stability and have no problem in low supervision settings. I find myself well suited for team working and in my previous projects I have often been appointed as team leader.

Education

2021 - Current	Master Degree in Data Science) <i>University of Bari Aldo Moro</i>	📍 <i>Bari, Italy</i>
2017 - 2021	Bachelor Degree in Computer Science <i>University of Bari Aldo Moro</i> Master program in sciences Bachelor's Thesis: Human description in the wild: A model enseble approch to image captioning	📍 <i>Bari, Italy</i>
2012 - 2017	High School Diploma in Computer Science and Telecommunications <i>ITT Panetti Bari</i>	📍 <i>Bari, Italy</i>

Publications

Conference Paper 2023	A Hybrid Quantum-Classical Framework for Binary Classification in Online Learning Corrado Loglisci, Ivan Diliso, Donato Malerba, SEBD 2023, 88-89
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Seminars and conferences

2023	PRIMO Workshop 2023, Participant <i>Organized by University of Bari Aldo Moro, MIDAS Research Group</i>	📍 <i>Bari, Italy</i>
2023	31st Symposium on Advanced Database Systems (SEBD) <i>Organized by University of Padua</i> Presented "A Hybrid Quantum-Classical framework for binary classification in online learning" (Corrado Loglisci, Ivan Diliso, Donato Malerba)	📍 <i>Galzignano Terme, Italy</i>
2023	DeepLearn School Spring 2023, Student Volounteer <i>Organized by University of Bari Aldo Moro</i>	📍 <i>Bari, Italy</i>

Extracurricular Activities

2022 - Current	Joint Committee Member <i>University of Bari Aldo Moro, School of science and technology</i>	📍 <i>Bari, Italy</i>
2018 - 2019	Member of an association for computer knowledge divulgation <i>URL Rete Libera</i> Participation in the foundation, collaboration in the management of development teams and developer for the university courses helper bot	📍 <i>Bari, Italy</i>
2016	Tutoring role in a Microsoft national project <i>Microsoft "Nuvola Rosa", Politecnico di Bari</i> Tutor for a group of 5 people with the goal of learning how to develop a web application	📍 <i>Bari, Italy</i>
2014	ECDL CAD Certificate – Specialized Level	📍 <i>Bari, Italy</i>

Projects

Data Science	<p>Participation in several team project where I gained the role of team leader and project designer. Developed several applications in the field of Artificial Intelligence and Machine Learning in collaboration with the University of Bari:</p> <ul style="list-style-type: none">• Quantum clustering for incremental quantum machine learning data filtering• Asteroid clustering using Gaussian Mixture of Experts• Time series basket analysis and clustering for world debt data• Nasal cell detection using YOLOv5 models• Recipe analysis using SpaCy with PostGre integration• Multi model ensemble for image captioning• Webserver middleware for VR Blockchain integration (React + Flask)• Image similarity and rank analysis using PCA and the EigenFace model
Computer Science	<p>Project developed for the purpose of exams during my bachelor degree.</p> <ul style="list-style-type: none">• Regression tree implementation from scratch• Spring webserver for Quality Treshold clustering
Personal	<p>Personal projects, developed during my free time or as an extension of what I studied during my university courses.</p> <ul style="list-style-type: none">• Markov chain model for simple text generation• Python TK interface for A star alghorithm visualization• Android application for raspberry remote shutdown• Huffman tree compression stream library in Java• OpenGL 3D graphic engine from scratch• Cosine similarity search on Pathfinder GDR magic items

Development Skills

Softwares	OS: Windows, Linux (Debian and Arch Based), MacOS Database: MariaDB, Oracle, MySQL, PostgreSQL, MongoDB Office: \LaTeX , Microsoft Office, Libreoffice Other: Photoshop
Programming	Python, R, Java, C, C++ HTML, CSS, Javascript, Typescript
Libraries	Data Science: PyTorch, Tensorflow, ScikitLearn, Pandas, OpenCV Web: React, SpringBoot Graphics: OpenGL, QT

Personal Interests

Sport	Gym workout, running
Free time	Puzzle games, chess, tabletop role playing games, character optimization for games, custom data science projects for my games and interests
Other	Traveling, cinema