Ivan Diliso - Curriculum Vitae
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Born: 27th October 1998
Status: Master Degree Student
Languages: Italian: Native, English : B2
Email: diliso.ivan@gmail.com
Website: holderekt.github.io

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

Publications

Conference Paper 2023	**A Hybrid Quantum-Classical Framework for Binary Classification in Online Learning** Corrado Loglisci, Ivan Diliso, Donato Malerba, SEBD 2023, 88-99	

Seminars and conferences

2023	**DevFest Bari 2023, Partecipant** *Organized by Google Development Group, Polythecnic of Bari*	📍 *Bari, Italy*
2023	**PRIMO Workshop 2023, Partecipant** *Organized by University of Bari Aldo Moro, MIDAS Research Group*	📍 *Bari, Italy*
2023	**31st Symposium on Advanced Database Systems (SEBD)** *Organized by University of Padua* Presented "A Hybrid Quantum-Classical framework for binary classification in online learning" (Corrado Loglisci, Ivan Diliso, Donato Malerba)	📍 *Galzignano Terme, Italy*

2023	**DeepLearn School Spring 2023, Student Volounteer**	📍 *Bari, Italy*
	Organized by University of Bari Aldo Moro	

Extracurricular Activities

2022 - Current	**Joint Commitee Member**	📍 *Bari, Italy*
	University of Bari Aldo Moro, School of science and technology	

2018 - 2019	**Member of an association for computer knowledge divulgation**	📍 *Bari, Italy*
	URL Rete Libera	
	Participation in the foundation, collaboration in the management of development teams and developer for the university courses helper bot	

2016	**Tutoring role in a Microsoft national project**	📍 *Bari, Italy*
	Microsoft "Nuvola Rosa", Politecnico di Bari	
	Tutor for a group of 5 people with the goal of learning how to develop a web application	

2014	**ECDL CAD Certificate – Specialized Level**	📍 *Bari, Italy*

Projects

Data Science

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:

- 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

Project developed for the purpose of exams during my bachelor degree.

- Regression tree implementation from scratch
- Spring webserver for Quality Treshold clustering

Personal	Personal projects, developed during my free time or as an extension of what I studied during my university courses.

- 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 Pathfinger 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