Massimiliano **Pronesti**

COMPUTER ENGINEERING AND DATA SCIENCE STUDENT

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Summary

Pursuing a M.Sc. in AI and Data Analytics at Polytechnic University of Turing (PoliTO) and Data Science at EURECOM.
Interested in Machine Learning, High-performance computing and Quantum Computing.
Fluent in several programming languages (C, C++, Java, Python, Rust, Javascript, etc.), web frameworks and technologies, development approaches as well as Data Science and Machine Learning techniques and tools.

In love with Vim and Linux, I enjoy customizing all of the development environment. Interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises.

Fluent professional English, native Italian, intermediate Spanish (B1) and elementary French(A2). Always learning and looking forward for new challenges.

Experience

WEEE Open (Students team)   *Turin, Italy*

SOFTWARE DEVELOPER   *Oct. 2018 - Jul. 2019*

- Developed RESTful APIs for inventory management using Python
- Developed software to gather and process hardware data and update internal database
- Improved my Linux knowledge, became familiar with github
- Learnt team work, efficient management of time and resources

Projects

baylib (https://github.com/mspronesti/baylib)

TEAM LEADER AND MAINTAINER

- parallel inference library for discrete bayesian network written in C++20
- supports generic inference algorithms both in CPU and GPU
- compatible with the xdsl format provided by the smile library
- extremely generic and customizable, fully employing C++20 meta-programming facilities

qlearnkit (https://github.com/mspronesti/qleanrkit)

TEAM LEADER AND DEVELOPER

- Python toolkit for quantum machine learning
- implements some well-known supervised and unsupervised learning algorithms for a gated quantum computer
- provides benchmarking features to compare accuracy and performances with traditional implementations
- Received best project award in Machine Learning class contest

Education

EURECOM   *Biot, France*

M.SC. IN DATA SCIENCE AND ENGINEERING (DOUBLE DEGREE PROGRAM)   *Sep 2021 - present*

International studies in the technopole of Sophia Antipolis, focused on machine learning, deep learning and data analytics architectures with great emphasis on applied projects.

PoliTO (Polytechnic University of Turin)   *Turin, Italy*

M.SC. IN COMPUTER ENGINEERING (AI AND DATA ANALYTICS)   *Sep 2020 - present*

Advanced degree program specializing in data engineering, with significant attention to software engineering topics.

PoliTO (Polytechnic University of Turin)   *Turin, Italy*

B.SC. - SUMMA CUM LAUDE   *Sep 2017 - Sep 2020*

- Talented students program
- Supported by full scolarship
- Main courses of Computer Science, Electronics, Math and Physics

Liceo Scientifico Archimede di Messina   *Messina, Italy*

SCIENTIFIC HIGH SCHOOL DIPLOMA - 100/100   *Sep 2012 - Jul 2017*