Riccardo Cogo

Curriculum Vitae

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Education

2020–present   **Ph.D. Economics and Statistics - curr. Statistics**, *University of Milano-Bicocca*.
Overall GPA (first year courses): 28.49/30

2019 (Spring)   **Big Dive: Data Science and Analytics**, *TOP-IX, Turin*.
Final Project: *NLP and NER on Corporate News*
Series of intensive training courses on data science: data visualization with D3.js, data manipulation with Python, statistics for data scientists, machine learning and netscience.

2015–2017   **Master's Degree in Mathematics**, *University of Turin*.
Overall GPA: 29.93/30
Final Grade – 110/110 with honors
Thesis Title: *Study of Some Overdetermined Elliptic Problems*
Advisor: Prof. Paolo Caldiroli
In the context of elliptical problems with data on the edge, the thesis deals with overdetermined problems, i.e. those problems defined by a PDE defined on a domain and by two boundary conditions, a *Dirichlet* and a *Neumann*. The thesis considers some examples of overdetermined elliptic problems and assuming that they admit a solution, it makes an attempt to study the geometric and topological properties of its domain.

2012–2015   **Bachelor's Degree in Mathematics**, *University of Turin*.
Overall GPA: 29.48/30
Final Grade – 110/110 with honors
Thesis Title: *Area and Coarea Formulas and Their Applications in Integral Calculus*
Advisor: Prof. Paolo Caldiroli
This thesis deals with the complete demonstrations of the Area and Coarea Formulas and the presentation of some of their notable applications.

Experience

2018–Present   **Data Scientist**, BIG DATA LAB @ INTESA SANPAOLO.
Turin
Part of the Data Science team, with the aim of developing end-to-end projects with other areas of the bank. Projects are mostly developed as R or Python packages.

2017-2018   **Junior Financial Analyst**, SELLA FINANCIAL MARKETS @ SELLA HOLDING.
Biella
Developing of trading algorithms as well as analytical scripts to ensure the compliance of the trading strategies deployed with the European regulation Mifid II.
Developing of models for complex classification and financial problems.

2017 (Fall)   **Financial Analyst Intern**, SELLA FINANCIAL MARKETS @ SELLA HOLDING.
Biella
Part of the team supporting the Senior VP of Market Division.
Development of control algorithms for Market Abuse regulations.

2016-2017   **Assistant and Tutor**, UNIVERSITY OF TURIN.
Turin
Tutor of the "Mathematical Analysis I" course (Department of Mathematics).
Tutor of the "Maths and Physics" course (Department of Biological Sciences).

Summer Schools

2019 **Advances in Artificial Intelligence**.
Lake Como School of Advanced Studies, Como

2018 **Technical Analysis**.
ASSIOM FOREX, Milan

2013 **Alpha Class**.
University of Turin–Polytechnic of Turin, Turin

Other Courses

2020 **Financial Engineering and Risk Management Part I**.
Columbia University, *online @ Coursera*

2019 **Fundamentals of Deep Learning for Multiple Data Types**.
NVIDIA Deep Learning Institute, *Milan*

AI Workflow: Data Analysis and Hypothesis Testing.
IBM, *online @ Coursera*

Complete Guide to TensorFlow for Deep Learning with Python.
Udemy

Machine Learning A-Z Hands-On Python and R in Data Science.
Udemy

2018 **Machine Learning**.
Stanford, *online @ Coursera*

Computer Skills

OS	**Linux, Windows**	*Intermediate*
Programming	**Python**	*Advanced*
	R, Matlab	*Basic*
Versioning	**GIT**	*Intermediate*
Databases	**SQL, Teradata**	*Intermediate*
	SAS	*Basic*
Data Viz	**D3.js**	*Basic*

Languages

Italian	**Native**
English	**Proficient**

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