

Valentina Ghidini

PHD STUDENT · STATISTICS

Bocconi University, Milan

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Education

Bocconi University

PHD FELLOW - STATISTICS

Milan, Italy

2019 - present

University of Turin

MSC, STOCHASTICS AND DATA SCIENCE

Turin, Italy

2017 - 2019

- Thesis: Quantitative and Ontology-Based eXplainable Artificial Intelligence techniques for Computer Vision
- Grade: 110/110 summa cum laude, with special mention for the academic curriculum

University of Milano-Bicocca

BSC, STATISTICS AND INFORMATION MANAGEMENT

Milan, Italy

2014 - 2017

- Thesis: Analysis of the scientific network in PubMed using Graph Databases
- Grade: 110/110 summa cum laude

Professional Experience

ISI Foundation

RESEARCH INTERNSHIP - DEEP LEARNING & XAI

Turin, Italy

Feb 2019 - Sep 2019

- Application of eXplainable Artificial Intelligence to Computer Vision and Convolutional Neural Networks

CRISP

RESEARCH INTERNSHIP - DATA SCIENCE

Milan, Italy

Sep 2016 - Mar 2017

- Implementation of a Graph Database, exploiting NLP techniques, data & graph analysis

Publications

PUBLISHED

Ghidini, V., Perotti A., Schifanella R.. 2019. Quantitative and Ontology-Based Comparison of Explanations for Image Classification. Machine Learning, Optimization, and Data Science. LOD 2019. Lecture Notes in Computer Science, vol 11943. Springer

IN PREP

Linear models with assumptions-free residuals: a Bayesian Nonparametric approach, joint work with F. Ascolani

Do Neural Networks See Statistical Dependence?, joint work with E. Borgonovo et al.

Teaching Experience

Fall 2020 **Statistics - course 30001**, Teaching Assistant

Bocconi

University

Spring 2021 **Statistics**, Teaching Assistant

Bergamo

University

Istituto

Spring 2015 **Mathematics**, Tutor in a middle school

Comprensivo

di Basiano

Certifications

Natural Language Processing with Classification and Vector Spaces (2021)

Institute: Coursera

Certificate number: GAJZ9GRHKN8D

PhD Beat - Bocconi Excellence in Advanced Teaching (2021)

Institute: Bocconi University

Deep Learning Specialization (2019)

Courses: Neural Networks and Deep Learning, Hyperparameters tuning, Sequence models, Convolutional Neural Networks.

Institute: Coursera

Certificate number: 9C4VZEV8YTW7

SAS Certified Base Programmer for SAS 9 (2017)

Institute: SAS Institute

Certificate number: BP069923v9

SAS Predictive Modeler Using SAS Miner 13 (2017)

Institute: SAS Institute

Certificate number: PMEM001296v13

First Certificate in English (FCE) (2013)

Institute: Cambridge Institute

Others

PROGRAMMING LANGUAGES

R, python, SAS: excellent

SQL, cypher: intermediate

C, C++, MATLAB: basics

LANGUAGES

Italian: native

English: fluent

PROFESSIONAL MEMBERSHIPS

SIS - Società Italiana di Statistica

IMS - Institute of Mathematical Statistics