Simone Maria Giancola

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Professional Summary

Motivated MS Student with a proficient academic record. Willing to broaden his knowledge of Data Science and apply formal methods in a real setting. Interested in Research and Analysis, especially using Machine Learning, Statistics and rigorous scientific methods.

Education

Bocconi University Milan, ITA
MS Data Science *August 2021 – July 2023*
- Modules include: Advanced Machine Learning, Optimization, Stochastic Processes
- Computationally oriented course, with a focus on theory and rigorous applications

Arizona State University Phoenix, USA
Undergraduate Exchange Program *January 2021 - May 2021*
- GPA 4.17 / 4.00, 4 classes
- Graduate level modules: Quantum Computation, Modeling with Game Theory

Bocconi University Milan, ITA
BS Economics, Management and Computer Science *August 2018 - July 2021*
- Grade 110 Cum Laude / 110, final GPA 29.18 / 30
- Thesis: *"Value of Information in a Support Vector Machine, an exploration"*
- Modules include: Advaced Statistical Methods, Applied Mathematics, Machine Learning

Experience

Research Assistant January 2021 - May 2021
Bocconi University *Milan, ITA*
- Advised by Professor Borgonovo Emanuele (course director)
- Conducted research on extraction of a Value of Information measure from a SVM algorithm
- Collaborated in weekly calls, discussion, programming and analysis of 4 research papers
- Delivered a theoretical document in the form of a thesis available on personal webpage

Technology Analyst July 2020 - August 2020
Barclays Bank PLC *Radbroke, UK*
- Assigned to Interactive Voice Response monitoring team
- Delivered documentation on main Application Performance Monitoring tools
- Raised $>$ 1000 GBP in an internal charity fundraising for the NHS

Machine Learning Projects

Heartbeat Classification and Disease Detection September 2020
- Classified patients using a Random Forest after analysis and exploration
- Identified condition with 90% accuracy from a single heartbeat

COVID-19 Analysis | co-authored April 2020
- Visualization and prediction with Italian data
- Estimated low boundary time to extinction of the pandemic with curve fitting

Technical Skills

Advanced Python: Keras, Tensorflow, Sklearn, Numpy, Matplolib, Scipy;
Certifications by DeepLearning.AI in Deep Learning and AI for Medicine. Credentials on personal webpage;
Intermediate R, SQL, Matlab, C++

Languages

English (Advanced) IELTS 8.0, Duolingo 140/160;
Italian (mothertongue); Spanish (Basic)