

Simone Maria Giancola

(+39) 3314788683 | Milan, Italy | LinkedIn <https://www.linkedin.com/in/simonemariagiancola/>
simonegiancola@gmail.com | Personal Webpage simonegiancola09.github.io

EDUCATION

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| Bocconi University <i>MS Data Science</i> <ul style="list-style-type: none">Modules include: Advanced Machine Learning, Optimization, Stochastic Processes | Milan, ITA August 2021 – July 2023 |
| Arizona State University <i>Undergraduate Exchange Program</i> <ul style="list-style-type: none">GPA 4.17 / 4.00, 4 classesGraduate level modules: Quantum Computation, Modeling with Game Theory | Phoenix, USA January 2021 - May 2021 |
| Bocconi University <i>BS Economics, Management and Computer Science</i> <ul style="list-style-type: none">Grade 110 Cum Laude / 110, final GPA 29.18 / 30Thesis: “Value of Information in a Support Vector Machine, an exploration”Modules include: Advanced Statistical Methods, Applied Mathematics, Machine Learning | Milan, ITA August 2018 - July 2021 |

EXPERIENCE

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| Data Science Intern <i>Santagostino Clinic</i> <ul style="list-style-type: none">Automation, modeling, more to come | January 2022 - Present Milan, ITA |
| Research Assistant <i>Bocconi University, advisor: Professor Borgonovo E.</i> <ul style="list-style-type: none">Conducted research on extraction of a Value of Information measure from a SVM algorithmExperienced: programming, academic research, paper reading, thesis writing (on personal webpage) | January 2021 - May 2021 Milan, ITA |
| Technology Analyst <i>Barclays Bank PLC</i> <ul style="list-style-type: none">Assigned to Application Performance Monitoring team, delivered documentation on main tools.Raised > 1000 GBP in an internal charity fundraising for the NHS | July 2020 - August 2020 Radbroke, UK |

MACHINE LEARNING PROJECTS

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| Bayesian MCMC probit analysis co-authored <ul style="list-style-type: none">Composed document with Theory and implementationCoded Gibbs Instrumental and Metropolis Random Walk Algorithms | December 2021 |
| Heartbeat Classification and Disease Detection <ul style="list-style-type: none">Classified patients using a Random Forest after analysis and explorationIdentified condition with 90% accuracy from a single heartbeat | September 2020 |
| COVID-19 Analysis co-authored <ul style="list-style-type: none">Visualization and prediction with Italian dataEstimated low boundary time to extinction of the pandemic with curve fitting | April 2020 |

TALKS

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| Advanced Session, Harvard mini-course on Computation <ul style="list-style-type: none">Presented Simulated Annealing with a TSP applicationProduced notes and slides on Statistical Mechanics exploitation and transition properties | January 2021 |
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TECHNICAL SKILLS

Advanced Python, Latex, Sklearn, Numpy, Matplotlib, Scipy;
Certifications Deep Learning and AI for Medicine by DeepLearning.AI;
Intermediate Keras, Tensorflow, Git, R, SQL, Matlab, C++

LANGUAGES

English (Advanced) IELTS 8.0
Italian (mother tongue); Spanish (Basic)

PROFILE & INTERESTS

Passionate about applying Machine Learning to create real world solutions. Result driven , detail oriented, and able to apply theoretical knowledge to solve real world problems. Fast learner, moved by curiosity. Good team player, whilst able to work independently and take up responsibility. In my spare time I enjoy playing Rugby - which I practiced at a regional competitive level for four years.