

# Michele PICCOLINI

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## EDUCATION

2016-present	Master of Science, <b>Stochastics and Data Science</b> University of Turin, Department of Mathematics Current GPA: 29.9/30 COURSES: Probability theory, Statistical inference, Functional analysis, Programming for data science, Algorithms and databases, Stochastic processes, Statistics for stochastic processes, Multivariate statistical analysis, Neural networks, Stochastic modeling for statistical applications, Bayesian statistics, Introduction to data mining, Simulation, Stochastic differential equations
2013-2016	Bachelor of Science, <b>Physics</b> University of Padua, Department of Physics Thesis: "Network Architecture of Unsupervised Boltzmann Machines" Advisor: Samir SUWEIS, Co-advisor: Alberto TESTOLIN Final Grade: 110/110

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## PUBLICATIONS AND PROJECTS

Publications	My thesis ( <a href="http://tesi.cab.unipd.it/53476/">http://tesi.cab.unipd.it/53476/</a> ) will become an article and will be available, together with the MATLAB code (open sources routines for deep neural networks analysis) from December 2017.
Bragg Curve project (C++, ROOT)	Program for computing and displaying statistics from particle physics data. FEATURES: OOP, modular programming, building dynamic libraries, ROOT (CERN scientific framework), bash scripts LINK: <a href="https://github.com/mujina93/cplusplus-project">https://github.com/mujina93/cplusplus-project</a>
Addrbook (Python, HTML, Js)	Address book webapp, built with the TurboGears2 framework. The users can manage their own contacts, stored in a SQLite database, and export the full list as a downloadable JSON. FEATURES: full stack web development, WSGI, functional testing LINK: <a href="https://github.com/mujina93/addrbook">https://github.com/mujina93/addrbook</a>

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## COMPUTER SKILLS

Languages:	C++, C, Python, MATLAB, R, SAS, SQL, HTML, CSS, Javascript, Java, L <sup>A</sup> T <sub>E</sub> X, Bash, Mathematica
Version Control:	Github, git
Operating Systems:	Ubuntu, Windows

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## RELEVANT EXPERIENCES

Leadership	Funder of Turin Kagglers - students tackling Kaggle challenges, student representative (both in Padua and in Turin)
Achievements	Biology and Physics high school olympiads, both at national level

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## LANGUAGES

Italian (mothertongue), English (fluent)

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## INTERESTS AND ACTIVITIES

Poetry, Writing, Game design, A.I., Blockchain, Theater, Breakdance, Martial arts