

Linda Petrini

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LINKS

Github:// [LindaPetrini](#)
 LinkedIn:// [petrinilinda](#)

SKILLS

PROGRAMMING

Proficient:

Python • MATLAB • \LaTeX

Familiar:

C++ • Java

Machine Learning Libraries:

PyTorch • nlkt • SciPy

Other:

Git • Jupyter

LANGUAGES

Native:

Italian

Proficient:

English (IELTS C1) • Russian

EDUCATION

UNIVERSITY OF AMSTERDAM | MSc ARTIFICIAL INTELLIGENCE

Expected Sep 2017 – Jul 2019 | Amsterdam, Netherlands

- Coursework: Machine Learning, Natural Language Processing(Language Models), Computational Intelligence (Neural Networks, Evolutionary Algorithms, Swarm Intelligence), Information Retrieval.
- Honours Programme: research project on Variational Auto-Encoders in the AMLab group at UvA.

UNIVERSITY OF MILANO-BICOCCA | BSc MATHEMATICS

Sep 2014 – Jul 2017 | Milan, Italy

- Graduation mark: 108/110. Cum GPA: 3.62.
- Thesis work: "The Hodgkin-Huxley Model: Modeling and Numerical Solution in MATLAB".
- Coursework: Linear Algebra and Geometry, Analysis, Algebra, Geometry, Measure Theory, Probability, Numerical methods for ordinary differential equations, Statistics.
- Student representative (2015-2017).

LICEO LEONARDO DA VINCI | SCIENTIFIC HIGH SCHOOL

Sep 2009 – Jul 2014 | Gallarate, Italy

- Graduation mark: 100/100.
- Run a lab to teach other students how to use Arduino. Took elective courses: Java, Cryptography.

PROJECTS

LANGUAGE MODELS FOR TWITTER SENTIMENT ANALYSIS | NATURAL LANGUAGE PROCESSING COURSE

Created a Neural Network model in PyTorch for sentiment prediction on tweets. The model uses LSTM, RAN, GRU, RNN networks. **Code. Paper.**

A SELF-DRIVING CAR FOR TORCS | COMPUTATIONAL INTELLIGENCE COURSE

Implementation of a controller for the car simulator TORCS, using Echo State Networks, NEAT and Particle Swarm Optimization. **Code. Paper.**

AWARDS

2014	3/50	Physics Competition "Valerio Filippini"
2014	3/20	"Bloglab" competition, VareseNews
2013	2/20	National Mathematics competition "Matematica senza Frontiere"
2012	National	International Mathematics competition "Campionati Internazionali di Giochi Matematici"

ACTIVITIES AND VOLUNTEERING

2017	Member in VIA Master Committee (organization of educational events)
2017	Team Member in the Dutch Nao Team (RoboCup)
2014-2016	Secretary in Consulta Giovani Carnago (no-profit youth association)