

# Daniele Grattarola

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## EDUCATION

**Politecnico di Milano - Master's Degree (expected magna cum laude) 2015 - 2017**

**Computer Science and Engineering**, with focus on machine learning, AI and recommender systems.  
Relevant coursework: Machine Learning, Artificial Intelligence, Game Theory, Recommender Systems, Natural Language Processing, Knowledge Engineering, Software Engineering.

**Politecnico di Milano - Bachelor's Degree (99/110) 2012 - 2015**

**Computer Science and Engineering**

## EXPERIENCE & PROJECTS

**Open source** [github.com/danielegrattarola](https://github.com/danielegrattarola)

Includes machine learning work on deep learning, sentiment analysis, and general data science. Some of the repositories have been used by third parties in business and academic contexts.

**Best academic team ACM Recsys Challenge 2017 Spring 2017**

Worked on a *cold-start* job recommendation scenario for Xing.com.  
Won the initial phase of the challenge against more than 80 other professional and academic teams; qualified as best academic team (second best overall) in the final phase.

*Keywords: recommender systems, machine learning, Python, Numpy.*

**Master's Thesis Politecnico di Milano Winter 2016 - Ongoing**

Worked on novel applications of deep reinforcement learning on complex environments, aiming at both theoretical and practical results.

*Keywords: deep learning, reinforcement learning, Python, Keras, TensorFlow, Scikit-learn.*

**Third best team Cisco DevNet Paris Hackathon Apr 2016**

Developed Gaia, an Android app to raise environmental awareness based on the *iBeacon* technology. The team was invited to participate after winning the *Techradar for Innovation* award at the 2015 *Cisco DevNet Live! Hackathon* in Milan.

*Keywords: IoT, Android, Java.*

**Android developer Minimal Tesseract Winter 2015**

Developed and published *Thought - Local forum*, an Android communication app based on Google's *Nearby API*.

*Keywords: Android, Java.*

**Web developer Freelance 2014 - Ongoing**

Designed, developed and managed web sites for several businesses and non-profit organizations.

*Keywords: HTML5, JavaScript, Jekyll, Flask.*

## TECHNICAL SKILLS

<b>Programming</b>	<b>Python</b> , Java, C, MATLAB
<b>Web</b>	HTML5, JavaScript, Jekyll, Flask
<b>OS</b>	<b>Linux</b> , Windows, MacOS
<b>Software</b>	PyCharm, Android Studio, Git, Photoshop
<b>Other</b>	<b>TensorFlow</b> , <b>Keras</b> , <b>Numpy</b> , <b>Scikit-learn</b> , Pandas, Graphlab, SQL

## LANGUAGES

<b>Italian</b>	Native speaker
<b>English</b>	C1 (Cambridge English: Advanced – CAE)
<b>Spanish</b>	Elementary proficiency