

# Angelo Pio Sansonetti

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## Links

Github: [angelosansonettip](#)  
LinkedIn: [angelo-pio-sansonetti](#)  
Personal site: [portfolio](#)

## Skills

### AREA OF EXPERTISE

Machine learning,  
Deep learning (Keras), OOP,  
Android software development,  
Web development

### OS

GNU/Linux, Windows

### TECH LANGUAGES

Java, Python, SQL,  
JavaScript, PHP, C

### FRAMEWORK

Spring Boot, Laravel

### DATABASES

MongoDB, Firebase, GraphDB, MySQL

### LANGUAGES

Italian (mother tongue)  
English (fluent)

## Summary

I am a recent graduate in Artificial Intelligence with top marks. Data science and machine learning are both topics that captivated me during my academic career and I have developed several related projects which are available on my GitHub profile. I'm a willing and eager individual who wants to hands on, develop personally and create innovative solutions to complex problems.

## Experience

- 8/11/2021 - **Poste Italiane** **Fraud Prevention Analyst**
- 1/08/2021-30/09/2021 **University of Turin** **Educational collaboration**  
This is a collaboration in support of teaching that involves organizing cycles of exercises on the theme of reinforcement learning applied to games
- 03/2021-06/2021 **Curricular internship for master thesis**  
A system that autonomously learns high-level planning-oriented representations in a complex, multi-instance domain was developed. This contribution is a first step in the study of an abstract representation learned in an unsupervised way through autoencoder and reusable in multiple domain instances. The proposed solution solved 77% of the instances of a dungeon game  
*Python, Keras, Numpy, Gym*
- 03/2019-06/2019 **SWAP group** **Curricular internship for bachelor thesis**  
'Hate Checker' is a tool that automatically identifies 'haters' on social networks by associating a score to each user profile. This was possible using an approach based on lexicons and sentiment analysis techniques. The whole analysis process is made available through a web service. The algorithm successfully detected between 78% and 97% of the online haters regardless of the specific category  
*Java, Javascript, Ajax, Spring Boot, MongoDB*
- 06/2016-10/2016 **Nextome** **Web developer**  
This experience involved the development of a system to manage the installed beacons and their data geographically  
*Laravel, Ajax, Javascript, PHP, Bootstrap, SQL*

## Education

- 9/2019-16/7/2021 **MSc in Artificial Intelligence** **University of Turin**  
Thesis title: Generating Autoencoder's representation for planning in multi-instance domain problems  
Cumulative GPA: 4.0
- 9/2016-18/7/2019 **Bachelor in Computer Science** **University of Bari**  
Thesis title: Analysis of User-Generated Content for Automatic Detection of Hate Speech on Social Networks  
Cumulative GPA: 4.0
- 9/2011 - 6/2016 **Diploma in Computer Science** **I.I.S.S. Luigi dell'Erba**  
Cumulative GPA: 4.0