

Andrea Cognolato

Computer Engineering student - Polytechnic of Turin

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WORK

Polytechnic of Turin, Turin – Machine Learning Research Stage

October 2019 - Now

Worked with a PhD student (Eliana Pastor) under the supervision of professor (Elena Baralis) on a novel framework (LACE) for analyzing the prediction and the interpretability of black box classifiers.

As a part of my responsibilities I had to read articles in the field of **Explainable Artificial Intelligence**, develop and optimize **scientific Python** code, and build a web demo to showcase the framework's capabilities.

Remote – Freelance Software Developer

September 2017 - Now

I have worked for several clients, on the Upwork platform, as a full-stack web developer. I have designed, developed and deployed web applications, cryptocurrency daemons, and backend services. The technologies I have used include: **C++**, **Javascript (Nodejs and React)**, **Python**, **PostgreSQL**, and **Redis**.

Starting in February 2020, I have begun working as a **Haskell** developer for an ecommerce application.

EDUCATION

Polytechnic of Turin – Computer Engineering

October 2017 - Now (Expected graduation 2022)

Current GPA: 28.4/30 (3.8/4)

Galileo Ferraris Scientific High School, Turin

September 2012 - July 2017

Final grade: 93/100

OTHER EXPERIENCES

BOSCH Mobility Hackathon

I have participated in a Hackathon with the aim of finding a solution for traffic, parking, multimodality, and accessibility issues for the city of Milan. We have analyzed the data and built a proof of concept of our idea: a car pooling service for children who attend the same school.

Blogging

I have written a series of posts on my blog which reached, without exception, the front page of Hacker News and reddit/r/programming, and were read by more than 10,000 people.

AWARDS

Young Talents

Program(Politecnico of Turin)
– September 2017 – Present
Excellence program dedicated to the top 5% of the students of each academic year.

1° place – Science Fair 2015

Project title: “Non Ionizing Radiations”.

1° place – Informatics

Olympiad – Galileo Ferraris
2016 Because of this victory I qualified for the national selections of the olympiad.

LANGUAGES

Italian, Native speaker

English, IELTS 8.0 (December 2019)

French, DELF A2, 87.5/100

Open Source contributions

I have contributed to many open source projects in my free time such as facebook/reason and xi-editor/druid.

I also have many personal projects in computer graphics, compilers, and automatic differentiation.