

# DAVIDE MATTIOLI

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## WORK EXPERIENCE

### Machine Learning Journal Club (MLJC)

*Volunteer resercher*

Turin  
2021 - Present

- Machine Learning and Deep Learning
- Brain wave Signal Analisis using an EEG
- Coding Predictive models do classify emotions

## EDUCATION

### University of Turin

BSc. Economics & Data Science *GPA: 104/110*

Turin  
Sep 2020 - Sep 2023

### High School Blaise Pascal

Diploma Natural Science *GPA: 80 /100*

Giaveno , To  
2020 - 2015

## SKILLS

Programming languages: Python (8/10), R (6/10), SQL (6/10), C++ (4/10), Java (2/10)  
Frameworks: Tensorflow, Keras, Pandas, Matplotlib, Numpy

## PROJECTS

### Advanced market simulation *Python*

<https://github.com/mak8427/T1>

Portfolio risk silutation, Sharpe Ratio. Diversification

### S&P 500 Price Analysis *Python*

<https://www.kaggle.com/code/davidemattioli/s-p500-volatility>

S&P500 Risk evaluation with a deep learning model

## AWARDS AND CERTIFICATE

### IELTS 7.5

English C1 certificate

IELTS  
may 2023

### Br41n.io competition

The competition involves programming or building a fully functional EEG-based Brain-Computer Interface (BCI).

g.tec medical engineering GmbH  
jul 2022

### Neuro Match Accademy Deep Learning

Neuromatch Academy is an educational platform that aims to introduce traditional and emerging tools of computational neuroscience and deep learning to trainees with an emphasis on theory and model building 1. The academy offers a Deep Learning course that covers the theory and techniques of deep learning with an emphasis on neuroscience, The course is structured mainly by group projects

Neuromatch  
May 2022

### Data Scientist Career Path

The career path is divided into four beginner-friendly specializations: Machine Learning, Data Analytics, Inference, and Natural Language Processing. Each specialization focuses on specific skill sets and includes group projects.

Codecademy  
Jun 2021