

# Stefano Giannini

Physicist | Data Scientist | ML Engineer



## About me

Hello Everyone,  
With over four years of experience as a Data Scientist, I've been at the forefront of pioneering and innovative projects, from Autonomous Vehicles data to improve efficiency of Wearable Devices.

## Personal Info:

Stefano Giannini

**Nationality:** Italian 🇮🇹

**Birth Date:** 5th April 1997 🎂

## Areas of specialization

**Data Science** • Artificial Intelligence (RL, ML, NLP)  
• Experimental Physics

## Free Time

Hiking 🏔️  
Bike / Motorbike 🚲  
Volunteer 🇨🇷  
Gym / Running 🏃

## Links Tree



LinkTree

## WORK EXPERIENCE

Mar 2024 - Present

### Senior Data Scientist

SKY RAY CAPITAL · Remote 📍

SKY RAY

- Analysis of the latest financial data for portfolio and strategies optimization, using cutting-edge approaches like: **Time-series** analysis, Machine Learning and Deep Learning.
- Responsible for building an automated investment portfolio, with notification service for customers.
- Framework adopted: CuDF, Pandas, Pytorch, Numba, HuggingFace (for NLP)

Sep 2022 - Nov 2023

### Mid-Senior Data Scientist

AMARIS CONSULTING FOR STELLANTIS · Orbassano, Italy 📍



Innovative projects in the research center for one of the biggest car-maker in Europe.

#### Emotional AI Project:

- Designing of NLP models as DistilBERT or GPT-2. Then ChatGPT API and Anthropic.
- Evaluation of future junior candidates in my team.
- Managing (on the technical side) an external company / service provider of our team.
- Emotion Detection from voice/ audio -> state-of-the-art model (TIM-Net)

#### Context-Awareness Project:

- Implement possible in-car demo for tailored in-cabin user experience.
- Computer Vision (Video Activity Classification, Pose Landmark Detection, 2D/ 3D ConvNet, RNN)
- GUI prototyping from back-end scratch (QT or imGUI frameworks)

Nov 2019 - Jun 2021

### Data Scientist

SMAIRTHERO · Torino, Italy 📍



Startup building healthcare wearable device for emergency detections.

#### Responsibilities:

- Analysis of data from a healthcare wearable device (Fall Detection, Sleeping, REM phases)
- Data ETL using PySpark and Cassandra (NoSQL DB)
- Build automated analysis process for every users in the DB with Microsoft Azure Cloud
- Data Dashboard development with Streamlit or Plotlyjs

Dec 2017 - Apr 2019

### Blockchain Data Analyst




SOAVE ASSET · Lugano, Switzerland 📍



Blockchain and Data Analyst responsible for the technical analysis of crypto to choose in a investment portfolio. **Responsibilities**

- Analysing white papers
- Evaluating profitability of Crypto ICO
- Cash Flow and code analysis of the blockchain technology behind the trendiest crypto

DEGREES

2024	<b>Nanotechnology</b> MASTER · Stockholm Uni- versity  Master's Thesis on Superconduc- tive Devices
2021-2024	<b>Nanotechnology</b> MASTER · Politecnico di Torino 
2016-2021	<b>Experimental Physics</b> BACHELOR · University of Turin 

PROGRAMMING

Python	<div></div>
SQL	<div></div>
C++	<div></div>
React.js	<div></div>
MATLAB	<div></div>
Java	<div></div>

CERTIFICATES & GRANTS

2021	IELTS Academic 7.5
2023	Applied AI with DeepLearning (IBM)
2023	Fundamentals of Rein- forcement Learning

LANGUAGES

Italian	-	Native
English	C2	<div></div>
Spanish / German	A1	<div></div>
Swedish	A2	<div></div>

CONTACTS REFERENCE

Marco Marchetti	Contact
Massimiliano Garruzzo	Contact
Vladimir Krasnov	Contact
Razmik Hovhannisyan	Contact
Carlo Ricciardi	Contact

PUBLICATIONS

2020	<i>Algorithmic applications on per- sonal healthcare devices</i> , Uni- versity of Turin, Link
2024	<i>Delay-insensitive SuperCon- ducting Logics</i> , Stockholm University, (not finished yet)

SKILLS

Python	SQL	Data Mining	Java	C++	Big Data Analytics	Analog/ Digital Signal Processing	Apache Spark
Machine Learning	Fourier Analysis	Dynamic Modeling	Autonomous Vehicles	Reinforcement Learning			
Computer Vision	Jupyter	Amazon Sagemaker	Predictive Analytics	Applied Mathematics	Visual Studio		
OpenCV	Pattern Recognition	Data Cleaning	Data Engineering	NLP	Statistical Modeling	GitLab/ GitHub	
Agile Software Development	Voice/ Speech Recognition	Generative AI					

EXTRA INFO

Personal Data Processing	I authorize the processing of personal data contained in my curriculum vitae based on art. 13 of the Legislative Decree Legislative Decree 196/2003 and art. 13 of EU Regulation 2016/679 relating to the protection of natural persons with regard to the processing of personal data.
Driving License	A (Motorbikes) & B (Car)