



Filippo Calio

Data Science Student

I am currently completing my master's thesis project at Gavagai AB in Stockholm, where I am focusing on NLP and I am exploring the use of supervised keywords clustering techniques.

Since I was a young, technology has always been a passion of mine, and I have always been intrigued about and fascinated by the world of **computers**. I became interested in the world of **business**, start-ups, and innovations last year, keeping up with the newest entrepreneurial trends.

I have excellent planning and time management skills, I have also acquired abilities like **teamwork** and **leadership** through the several university coding and business projects.

Education

SEP. 2021 - ON GOING

MSc Data Science - I&E minor

EIT Digital Master School. First year: **Politecnico di Milano** (Milan, Italy) - Second year: **KTH** (Stockholm, Sweden)

JULY 2022

Summer School: AI in Financial Services

Two weeks of Summer School in Budapest focused on technologies applied to FinTech: Artificial Intelligence, Machine Learning, Data Science and Computational Intelligence.

SEP. 2018 - JULY 2021

BSc Computer Science and Engineering

Politecnico di Milano (Milan, Italy)

Projects

SEP 2022 - JAN. 2023

Text Classification with LSTM (Python, PyTorch, Pandas, NumPy)

The project's goal was to determine the best data preprocessing techniques for classifiers that were trained to perform text classification between real and fake news.

SEP 2022 - OCT. 2023

Feature Selection (Python, Matplotlib, Pandas, NumPy)

The project's aim was to identify the best features in a dataset made up of thousands of tuples.

JUNE 2022 - JULY 2022

PC Configuration Telegram Bot (Python)

Created a Telegram bot for a client who contacted me on Fiverr.com, a freelance services marketplace. The bot helps people to configure a PC with all required components, hosting it using EC2 (AWS).

MAR. 2022 - JUNE 2022

Digital Business LAB Project - A2A

The aim was to find a way to measure the work engagement of the blue-collars workers of the Italian company A2A. Our idea was to create an application where the workers can complete questionnaires, send suggestions to the company and so on, making all of these tasks gamified and based on a reward system.

DEC. 2021 - FEB. 2022

Time Series Forecasting (Python, Tensorflow, NumPy, Pandas)

The goal of the project was to design and implement forecasting models to learn how to exploit past observations in the input sequence to correctly predict the future, using an encoder-decoder architecture.

Contact

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Relevant Courses

- Artificial Neural Networks and Deep Learning
- Machine Learning
- Recommender Systems
- Computer Vision and Image Analysis
- Data Intensive Computing
- Databases
- Data Mining
- Uncertainty in AI
- Strategy & Marketing
- Digital Business

Languages and Skills

Italian - Native; English - Advanced;

Swedish - Basic

C, Python, HTML, Java, SQL

PyTorch, Tensorflow, Numpy, Pandas

Team Leadership and Team Working

Extracurricular Activities

- **EIT Digital Student Ambassador**
- **Volunteer with Plastic Free Onlus**
I gained the ability to be patient and finish a tough and long task.
- **Steward at San Siro Stadium**
I learned how to relate to the public.

Interests

Smart cities, drones, reading, bike touring, astronomy, chess, music

○ **OCT. 2021 - JAN. 2022**

Web App Development (Java, MySQL, HTML)

Coded a website that simulates a Telecommunication company that creates packages of services to sell to customers.

○ **OCT. 2021 - JAN. 2022**

Image Recognition with CNNs (Python, Keras, Numpy, Pandas)

The objective of the project was to create a Deep Learning model able to correctly classify leaves images.

○ **MAR. 2021 - JULY 2021**

Videogame (Java)

Designed, developed, and tested (with JUnit) in a group of three an online videogame inspired by the physical boardgame "Master of Renaissance".

○ **JULY 2020 - SEP. 2020**

Text Editor (C)

Coded and tested a line text editor (like *ed*) with some functions, such as delete, print, change, undo and redo.

Work Experiences

○ **DEC. 2022 - ON GOING**

Waiter - Stockholm (Sweden)

I am learning how to deal with stressful situations as well as communicate in a foreign language. I am also developing the following soft skills: strong communication, customer service and problem-solving.

○ **APR. 2016 - DEC. 2022**

Private Lessons Teacher

I helped some students in studying scientific subjects (Mathematics, Physics, and Informatics) twice a week. Thanks to this experience, I developed my capacity for patience and became better at clearly communicating ideas and concepts.

○ **JULY 2017 - AUG. 2017**

E-Commerce Specialist

I was the person in charge of managing the ecommerce section of a website. (starpizza.org)