Antonio **Ferrigno**

LinkedIn | ferrignoantonio00@gmail.com | GitHub

Skills

- Python | Hadoop | Spark | R | Java | BPMN | PostgreSQL | MongoDB | MySQL | SQLite | JavaScript | React | NodeJS | Bootstrap | HTML5 | CSS3 | PHP | Matlab | C | C++ | VHDL | PLC | Bash | ARM | Rust
- Artificial Intelligence | Machine Learning | Deep Learning | Statistics | Data Analysis
- Italian, English – *Professional proficiency*

Education

Master's Degree — **Polytechnic of Turin** — *Turin, TO, ITA* — **09/2022 - 2025**

- Degree in Computer Engineering, Artificial Intelligence and Data Analytics path

Bachelor's Degree — **University of Salerno** — *Fisciano, SA, ITA* — **09/2019 - 09/2022**

- Degree in Computer Engineering with votation of 104 / 110 (3.7/4.0 GPA)

High school Diploma — **IIS Vico - De Vivo** — *Agropoli, SA, ITA* — **09/2014 - 07/2019**

- Graduation in administration, finance and marketing with votation of 100 with honors / 100 (4.0/4.0 GPA)

Experience

Software Engineer Trainee — **Ericsson PLC** — *Pagani, SA, ITA* — **05/2022 - 07/2022**

- Analysis of various linear artificial intelligence and deep learning algorithms for predictions of cardiovascular diseases through measurements obtained with ECG extracts.
- Analysis and implementation of different studies and papers of covered thematics with the aid of medical experts in the cardiology field. Main technologies and framework used were **Python, PyTorch**, **Tensorflow** and **Weights and Biases**.
- Part of the development of several E2E products, from identifying system requirements to workload balancing, software implementation, engineering, testing, and configuring metrics.

Report

Projects

- **Dataset Analysis (02/2022)**
  Group project focused on data retrieval and cleansing for computer component performance scores.
  Key tasks involved conducting regression and descriptive analyses using **R.**

  Github Repo
- **Gender Identification using Machine Learning and Pattern Recognition (07/2023)**
  Group machine learning project on gender identification from face images embeddings, employing advanced techniques like PCA and SVM for high-accuracy classification.
  Achieved top performance through meticulous data analysis and model optimization with **Python.**

  Github Repo
- **Real time Domain Adaptation in Semantic Segmentation (02/2024)**
  Combination of STDC network with adversarial learning, group project with advanced real-time domain adaptation in semantic segmentation on GTA V and Cityscapes datasets with **PyTorch** and **Python**.

  Github Repo

Others

- **Cambridge Certificate in Advanced English (C1) (08/2022)**