

CURRICULUM VITAE



PERSONAL INFORMATION

Full Name: NELLO ENRICO

Address: V.LE ITALIA 371, 57128, LIVORNO

Phone: 3455006396

E-mail: nello.enrico@gmail.com

Place and date of birth: 31/03/1997, Pisa.

WORKING EXPERIENCE

Studio tecnico Petroni, Livorno, March 2018 – May 2024.

IT support on behalf of the real estate company S. Jacopo s.r.l.

Helaglobe s.r.l., Florence, September 2024 – Present.

AI Engineer

ACADEMIC BACKGROUND

Scientific High School Diploma

At F. Enriques Scientific High School, Livorno, 2011 – 2016.

Bachelor's Degree in Computer Engineering

At Università degli Studi di Pisa, 2017 - 2021.

Master's degree in "Artificial Intelligence & Data Engineering"

At Università degli Studi di Pisa, 2021 – 2024.

Thesis in collaboration with ISTI-CNR Pisa in Computer Vision

Title "On the Effectiveness of Deepfake Detection on Multimodal Fake News"

EXPERIENCES ABROAD

English courses

- **Rider University (New York)**, July 2014.
- **Rider University (Los Angeles)**, July 2015.

MAIN PROJECTS:

1. **PhysioSmart – Telerehabilitation mobile app with Real-Time exercise detection [Computer Vision]:**
Built and trained an LSTM neural network as the backbone of the app, enabling real-time detection of exercise correctness.
More details at: <https://helaglobe.com/physiosmart-migliorare-laderenza-con-unapp-di-teleriabilitazione/>
2. **Large Language Model-based Chatbot with PDFs [Generative AI]:**
Retrieval-Augmented Generation (RAG) chatbot that can answer to questions by acquiring information from personal pdf documents.
More details at: <https://enricollen.github.io/posts/Local-RAG-Chatbot/>
3. **AI Agents Workflow for Autonomous Podcast Generation from Website Pages [Generative AI]:**
Agentic podcast generation pipeline that autonomously transforms website content into structured audio narratives through multi-agent collaboration.
More details at: <https://enricollen.github.io/posts/AI-Agent-Podcast-Creator/>
4. **Bird Species Recognition [Computer Vision]:**
Web application that helps photographers in identifying bird species given a picture.
More details at: <https://enricollen.github.io/posts/Italian-Bird-Classfier/>

PERSONAL SITE

<https://www.enricollen.com/>

PERSONAL SKILLS

Languages:

English, B2.

- Python, C/C++, Java;
- Machine Learning;
- Deep Learning;
- Generative AI;
- Computer Vision;
- Relational and NoSQL Databases

Driving License

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