

## PERSONAL INFORMATION

## Francesco Goretti



📍 Via Appennino 8, Pratovecchio Stia (Arezzo), 52015

☎ (+39)3484798096

✉ [francesco.goretti93@gmail.com](mailto:francesco.goretti93@gmail.com)

📅 Date of birth 05/07/1993 | 🇮🇹 Nationality Italian

## WORK EXPERIENCE

January 2021 – March 2021

## Trainee

USL Toscana Centro

University trainee experience for the cardiology section of Santa Maria Nuova hospital

January 2019 – July 2019

## Research Fellow

University of Florence

Winner of a research scholarship titled “Development of a decision support system and its integration in a web application for early diagnosis and screening”, specifically in the field of pupillometry

## EDUCATION AND TRAINING

November 2021 – Present

## PhD

University of Florence - LENS, European Laboratory for Non-linear Spectroscopy

PhD project involving the collection and analysis of biomedical data during social interaction

September 2018 – May 2021

## Master’s Degree in Biomedical Engineering

University of Florence

Title obtained with a grade of 110/110 cum laude, discussing a thesis titled: “Application of deep learning techniques for the prediction of the evolution of heart failure”

September 2012 – April 2018

## Bachelor’s Degree in Electronic Engineering

University of Florence

Title obtained with a grade of 105/110, discussing a thesis titled: “Clinical decision support system for pupillometry based on machine learning algorithms”

September 2007 – July 2012

## Secondary School Diploma in Electronic Engineering

ISIS E.Fermi, Bibbiena

Title obtained with a grade of 89/100

**PERSONAL SKILLS**

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user  
[Common European Framework of Reference for Languages](#)

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Independent user	Independent user	Independent user	Independent user

[Digital competences - Self-assessment grid](#)

Computer skills

- Competent with most Microsoft Office programmes
- Good knowledge of LaTeX language
- Basic knowledge of C++ programming language
- Basic knowledge of Linux operative system
- Proficient with Python programming language for machine learning applications and data analysis

Driving licence B

**ADDITIONAL INFORMATION**

Symposiums and conferences

- Participation as speaker at the symposium: “Innovative multidisciplinary approaches to human health and social well being”. 5-6 September, Neve Shalom, Israel.
- Attended the summer school “Biomedical engineering for sustainable development”. 12-15 September, Bressanone.

Publications

- Iadanza, E., Goretti, F., Sorelli, M., Melillo, P., Pecchia, L., Simonelli, F., & Gherardelli, M. (2020). Automatic Detection of Genetic Diseases in Pediatric Age Using Pupillometry. *IEEE Access*, 8, 34949-34961.
- Iadanza, E., Fabbri, R., Goretti, F., Nardo, G., Nicolai, E., Bendotti, C., & Amedei, A. (2022). Machine learning for analysis of gene expression data in fast-and slow-progressing amyotrophic lateral sclerosis murine models. *Biocybernetics and Biomedical Engineering*, 42(1), 273-284.
- Goretti, F., Oronti, B., Milli, M., & Iadanza, E. (2022). Deep Learning for Predicting Congestive Heart Failure. *Electronics*, 11(23), 3996.

Certifications

- General and specific training course for workers on safety and health at work, tooked on November 23rd 2019
- Specific health and safety training course for workers exposed to low level of risk, tooked on June 29th 2022

Others

Reviewer for "Health and Technology" journal