

Throughout my studies and work experiences, I have honed my problem solving ability, developed several skills, faced fast-paced environments.

I am a contributor to many open source projects: I firmly believe that collaboration is the key to innovation

## Experience

### DevOps & Technical Product Owner @ *hiop*

Oct 2021 - Today

- Co-creator of several components that led to the company's flagship product: an high-performance data processing mesh platform that enables DaC, quickly high-value data provision and data-driven decision making
- Co-creator of an HPC infrastructure on which relies real-time AI-based applications
- Designer and maintainer of the company's CI/CD pipelines
- Creator and maintainer of several libraries on which the company's codebase relies
- Co-led the growth, training and knowledge sharing among the team, which increased from 5 to 15 people

### Full Stack Developer @ *CNR's Institute of Biophysics*

Dec 2020 - Aug 2021

Collaborator involved in the *Human Brain Project* with the aim of developing a Python and JS-based web application named *NeuroFeatureExtract* to analyse electrophysiological features

### Bioinformatics Trainee @ *ISMETT*

May 2021 - Jul 2021

Practitioner on efficient algorithms and technologies to analyse biological sequences represented in FASTA format, as part of a university internship project

### Collaborator of ML Research Project @ *UNINA*

Nov 2019 - Mar 2020

Research project with the aim of developing a Python-based ML fuzzy classifier to diagnose celiac disease in Sicilian and Maltese children

### Full Stack Developer Trainee @ *Informamuse*

Jan 2019 - Mar 2019

Web Developer as part of a university internship project

## Education

### Double Master in Computer Science @ *UNIPA & UGE*

Sep 2019 - Oct 2021

Double Master achieved cum laude with final thesis about *RDF data and columnar formats*

ECTS: 120/120 GPA: 29.29/30

### Bachelor in Computer Science @ *UNIPA*

Sep 2016 - Aug 2019

Bachelor achieved cum laude with final thesis about *suffix array data structure*

ECTS: 186/180 GPA: 29.00/30

### Erasmus Exchange @ *ELTE*

Sep 2018 - Jan 2019

Outstanding study experience which gave the opportunity to improve a vast set of skills

### Others

<i>CMM Pre-doctoral Research School</i>	Aug 2020
<i>ESS Information Science School</i>	Set 2019
Scientific High School Diploma	2012 - 2016

### Publication

*The EBRAINS NeuroFeatureExtract: An Online Resource for the Extraction of Neural Activity Features From Electrophysiological Data*

## Skills

### Certifications

*Data Science*  
*AWS Cloud Practitioner*  
*AWS Developer Associate*

### Languages

Italian: native speaker  
*English: B2*  
*French: A2*

### Workflow

Bash, Git, Docker, CI/CD  
Rust, Python, Java, Scala, C  
AWS, GCP