

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 & HPC Lead @ *hiop*

Oct '21 - 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 company's CI/CD pipelines
- Creator and maintainer of several libraries on which the company's codebase relies
- Co-led growth, training and knowledge sharing among the team, which increased from 5 to 15 people

### Full Stack Developer @ *CNRs Institute of Biophysics*

Dec '20 - Aug '21

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 '21 - Jul '21

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 '19 - Mar '20

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 '19 - Mar '19

Web Developer as part of a university internship project

## Education

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

Sep '19 - Oct '21

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 '16 - Aug '19

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

ECTS: 186/180 GPA: 29.00/30

### Erasmus Exchange @ *ELTE*

Sep '18 - Jan '19

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

## Others

<i>CMM Pre-doctoral Research School</i>	Aug '20
<i>ESS Information Science School</i>	Set '19
Scientific High School Diploma	'12 - '16

## Publication

<i>The EBRAINS NeuroFeatureExtract: An Online Resource for the Extraction of Neural Activity Features From Electrophysiological Data</i>
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## Skills

### Certifications

AWS: *Practitioner, Developer*  
 GCP: *Digital Leader*  
 GitHub: *Foundations, Actions, Advanced Security Data Science*

### Workflow

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

### Languages

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