

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