

Innovative DevOps and HPC Lead with over 4 years of experience in high performance computing, data processing, and development. Proven track record of designing scalable systems, maintaining CI/CD pipelines, and leading cross-functional teams to implement high-impact projects

Experience

DevOps & HPC Lead @ *hiop*

10/21 - Today

- Co-created the company's flagship product: high-performance data processing platform enabling rapid high-value data provision and data-driven decision making
- Co-created an HPC framework and infrastructure on which relies real-time AI-based applications
- Designed and maintained company's CI/CD pipelines, improving drastically deployment efficiency and reliability
- Developed and maintained over 20 essential libraries building the company's codebase
- Co-led team growth, training and knowledge sharing among the team, expanding from 5 to 20 people

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

12/20 - 08/21

Developed from the ground a Python and JS-based web application named *NeuroFeatureExtract* to analyse electrophysiological features as part of the *Human Brain Project*

Bioinformatics Trainee @ *ISMETT*

05/21 - 08/21

Developed efficient algorithms to analyze biological FASTA sequences, significantly enhancing data processing efficiency, as part of a university internship project

Collaborator of ML Research Project @ *UNINA*

11/19 - 04/20

Built from the ground a Python-based ML fuzzy classifier to diagnose celiac disease in Sicilian and Maltese children

Full Stack Developer Trainee @ *Informamuse*

01/19 - 04/19

Developed web applications as part of a university internship project

Education

Double Master in Computer Science @ *UNIPA & UGE*

09/19 - 10/21

Graduated cum laude with thesis on *RDF data and columnar formats*

Bachelor in Computer Science @ *UNIPA*

09/16 - 07/19

Graduated cum laude with thesis on *suffix array data structure*

Erasmus Exchange @ *ELTE*

09/18 - 01/19

Enhanced skills through an outstanding study experience abroad

Others

<i>CMM Pre-doctoral Research School</i>	08/20
<i>ESS Information Science School</i>	09/19
Scientific High School Diploma	07/16

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

DevOps, Git, Docker, CI/CD
Rust, Python, Node, Java, Scala, C
Agile, Leader, Manager, Tutor
Critical-Thinking, Data-Driven, Trusty

Languages

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