

CURRICULUM VITAE

Roberto Polverelli Monti

CONTACT INFORMATION

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EDUCATION

Università degli Studi di Bologna

2018–Present

International Master in Bioinformatics

Department of Pharmacy and Biotechnology

Università degli Studi di Torino

2014–2018

Bachelor's Degree in Biological Sciences

Department of Life Sciences and Systems Biology

Title of Degree Thesis: *Mathematical models for studying metabolism*

PERSONAL STATEMENT

I strongly believe in the necessity of developing advanced computational approaches in order to make sense of and give structure to the increasingly abundant plethora of biological data. Aiming to acquire the needed professional skills, I am eager to be confronted with real-world bioinformatics problems.

TECHNICAL SKILLS

• **Languages:**

Bash

Python

R

• **DevOps:**

Docker

Kubernetes

• **Cloud:**

Openstack

AWS

• **Web:**

Flask

SQL

HTML

CSS

OTHER EXPERIENCES

Internship at INFN-CNAF

October 2020–Present

National Institute for Nuclear Physics, Bologna

Provisioning of a complete Kubernetes cluster hosting Functions as a Service, for the auto-scalable deployment of Bioinformatics applications.

20th Bologna Winter School: Data Science for Bioinformatics

February 18–22, 2019

Università degli Studi di Bologna

A week-long series of conferences presenting the state-of-the-art of the available Bioinformatics algorithms and Cloud-based strategies for handling data out of large-scale experiments.

Internship at Computational Biology Unit

March–April, 2017

Molecular Biotechnology Center, Torino

Identification of eQTLs, based on the effect of variants on Total Binding Affinity profiles of regulatory regions.