

Clara Fazzari

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Master's graduate in Bioinformatics with specialized expertise in computational neuroanatomy and evolutionary genetics. Proficient in programming, data analysis, and the application of bioinformatics tools to complex biological questions.

EDUCATION

MSc. in Bioinformatics

UNIVERSITY OF ROME TOR VERGATA

Rome, Italy | Dec 2024

BSc. in Biological Sciences

UNIVERSITY OF PISA

Pisa, Italy | Apr 2020

WORK EXPERIENCE

MEDIZINISCHE UNIVERSITÄT WIEN | ERASMUS+ MASTER THESIS INTERN

Vienna, Austria | Sept 2023 - Feb 2024

The project explores the evolution of the human brain over 60 million years, overcoming challenges related to the inaccessibility of ancient ancestors' brains. Building on previous work, the aim is to adapt scripts for analyzing the functional features of archaic brains using new computational resources and expanding data sets.

FENS FORUM 2024 | POSTER PRESENTER

Vienna, Austria | June 2024

Presented a research poster based on my master's thesis at the conference, engaging with peers and experts in the field.

ASSOCIAZIONE STUDENTESCA MADE@DM | SCIENCE COMMUNICATOR

Pisa, Italy | 2015 - 2020

I organized exhibitions, workshops, and scientific dissemination events with the MaDE@DM student association. I held the position of president of the association in 2018.

DEPARTMENT OF GENETICS AT THE UNIVERSITY OF PISA | STUDENT TRAINEE

Pisa, Italy | Jan - May 2016

Laboratory of experimental biology. Analysis evaluation of the chromosome counting of cells blocked in metaphase, obtained by treatment of a lymphocyte culture with a genotoxic agent; comparing the results with those obtained from untreated lymphocytes of the same culture.

PROJECTS

PERSONAL KEY INDICATORS OF HEART DISEASE

PYTHON, PANDAS, NUMPY, SEABORN, BORUTA,

MACHINE LEARNING, CDC DATASET

A group project realized for the Programming exam at University of Rome Tor Vergata. We used 2020 annual CDC survey data of 400k adults related to their health status and applied machine learning methods to detect patterns from the data that can predict a patient's condition.

SKILLS

Programming languages R, Python, C, Ruby, Bash, MATLAB, PHP

Web Development HTML, CSS

Database Management SQL

Documentation and Reporting Markdown, \LaTeX

Bioinformatics tools Cytoscape, CellDesigner

LANGUAGES

Italian Mother tongue

English Advanced

French Basic

SOFT SKILLS

Communication (writing/speaking) Scientific presentations, exhibitions, and workshops organization.

Teamwork, Organizational Able to work as part of a team, organize virtual meetings, open to criticism, and manage conflicts.

Problem-solving, Stress and Time management Critically adapt projects to changes, address problems and deal with deadlines.