



# Santo Diprima



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## ABOUT ME

Enthusiastic and adaptable Scientist with hands-on experience in data analysis, artificial intelligence, and Big Data. I follow a Data Driven Decision Making approach, enabling me to tackle challenges with pragmatism and strategic insight. Passionate about driving Digital Transformation, I aim to contribute to innovative projects that leverage technology to create meaningful impact.

## WORK EXPERIENCE

22/05/2024 — CURRENT

### Bioinformatician | Yale University

- Responsible for the design, implementation, and optimization of bioinformatics workflows to support large-scale biological and clinical studies.
- Managed multiple research projects, ensuring timely deliverables, quality standards, and alignment with strategic objectives.
- Facilitated collaboration between teams to enhance research effectiveness and efficiency.

01/03/2022 — 22/05/2024

### Bioinformatician | IRCCS Ospedale San Raffaele

- Developed, applied and benchmarked analytic tools and pipelines for biological analyses.
- Used statistics and data analysis to integrate multiple levels of biological and clinical information for new hypothesis generation, target identification and target prioritization.
- Collaborated across multiple disciplines and contributed to various projects.

## HARD SKILLS

- Research Infrastructure Development: ELIXIR Beacon Project for federated genomic data
- Data Analysis: RNA-seq, ChIP-seq, proteomics, metagenomics, clinical data
- Artificial Intelligence: machine learning and deep learning for biological and clinical data.
- Workflow Automation: Nextflow and Snakemake
- Scientific Reproducibility: Git, Docker, Singularity.
- Open Science: GitHub, Zenodo, GEO

## SOFT SKILLS

- Problem-Solving and Decision-Making: Identifying issues and making informed choices to find effective solutions.
- Adaptability and Resilience: Adjusting to change and overcoming challenges.
- Analytical and Critical Thinking: Decoding complex problems and evaluating information to derive meaningful insights.
- Active Learning and Learning Strategies: Continuously acquiring and applying new knowledge effectively.
- Creative Thinking and Innovation: Generating new ideas and solutions through creative thinking.

## EDUCATION AND TRAINING

04/10/2019 — 22/07/2021 Rome, Italy

### Master's Degree in Bioinformatics | Tor Vergata University Of Rome

- Thesis: Applications of machine learning methods for clustering transcriptomic profiles and identification associated phenotypic variables
- Final grade 110/110 and honors

08/09/2016 — 26/07/2019 Novara, Italy

### Bachelor's Degree In Biotechnology | University Of Eastern Piedmont

- Thesis: The Biotech Startups and Business Models: The Case of Companies Operating in the Digital Health Industry
- Final grade 104/110

## LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s): English (B2 level)

I authorize the processing of the personal data contained in my curriculum vitae in accordance with Article 13 of Legislative Decree 196/2003 and Article 13 of EU Regulation 2016/679 regarding the protection of individuals regarding the processing of personal data.