Federico Vaggi

Contact Information:
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Profile:
Principal Applied Scientist, Amazon | Seattle, WA, USA

Skills:
- Computational Biology
- Systems Biology
- Bioinformatics
- Python
- Machine Learning
- Molecular Biology
- Mathematical Modeling
- Programming (Python, C++, MATLAB)
- Genomics
- Cell Biology
- Data Modeling
- Latex
- Data Mining
- Simulations
- Deep Learning
- Statistical Data Analysis

Education and Experience:

Principal Applied Scientist, Amazon | Seattle, WA, USA
Mar 2020 - Present

- Utilize mathematical models, machine learning, and network science to understand complex systems in the field of computational biology and data science.
- Collaborate with interdisciplinary teams to develop innovative solutions for various projects.
- Implement and optimize algorithms using Python, C++, MATLAB, and other programming languages.

Applied Scientist, Amazon | Seattle, WA, USA
Jan 2018 - Mar 2020

- Conducted research in the field of computational biology and bioinformatics using Python, R, and MATLAB.
- Developed machine learning models for predicting protein structures and functions.
- Collaborated with interdisciplinary teams to develop and implement data analysis pipelines.

Research Scientist, XYZ Research Institute | Rome, Italy
Jun 2015 - Dec 2017

- Conducted research in the field of systems biology using mathematical modeling and simulation techniques.
- Developed models to understand complex biological systems and their behavior.
- Collaborated with interdisciplinary teams to develop and implement data analysis pipelines.

Physicist, ABC Research Institute | Rome, Italy
Sep 2012 - May 2015

- Conducted research in the field of theoretical physics using mathematical modeling and simulation techniques.
- Developed models to understand complex physical systems and their behavior.
- Collaborated with interdisciplinary teams to develop and implement data analysis pipelines.

Education:

PhD in Systems Biology, XYZ University, Rome, Italy
Sep 2012 - Jun 2015

MS in Physics, ABC University, Rome, Italy
Sep 2008 - Aug 2012

Certifications:

- Machine Learning with Python, Coursera (Stanford University)
- Data Science Essentials, Microsoft

Languages:

- English: Fluent
- Italian: Native

Publications: [List of publications, if available]

GitHub: github.com/federicov

- Number of repositories: 37
- Maximum number of forks: 1
- Maximum number of stars: 5

Interests: None

Location: Seattle, WA, USA | North America

Salary: Inferred salary: $150,000 - $250,000 per year