

STEVO RACKOVIĆ

Data Scientist, Researcher at Instituto Superior Técnico

I am an ambitious and curious researcher with a strong background in **applied mathematics** and **machine learning**. After finishing my Ph.D. studies, I plan to pursue an industrial career in the field of machine learning and artificial intelligence. In particular, I am interested in applying cutting-edge technology advances to everyday problems with the goal of improving living standards and easing daily routines.

Work Experience

Early Stage Researcher - Institute for Systems and Robotics, Instituto Superior Técnico, Lisbon | 2019 - present

- Research in distributed optimization and machine learning models with application in the animation industry.
- Cooperation with 3Lateral Studio, Epic Games
- Part of Marie Curie Actions - BIGMATH.

Junior Researcher - Faculty of Sciences, University of Novi Sad | 2018 -2019

- Developing models for distributed implementation of the common machine learning algorithms.
- Part of a team working on IBIaaS H2020: Industrial-driven big data as a self-service project.

Intern - BIOSENSE Institute, Novi Sad | Summer 2017

- Developing a classifier to accurately recognize the cultures planted in specific fields using satellite images.
- Remote Sensing Lab.

Education History

PhD Candidate in Statistics and Stochastic Processes

Marie Skłodowska-Curie Fellow

Instituto Superior Técnico, University of Lisbon | 2019 - present

- The curriculum covers machine learning, optimization, and statistics with a high demand for both theoretical and practical skills.
- Thesis: *Distributed optimization of biokinetic models based on large 4D sequences*
- The goal is solving large-scale optimization problems in the face animation of video games. The main focus is on a distributed optimization setting for reducing computational costs.


Masters in Applied Mathematics, Data Science

Faculty of Sciences, University of Novi Sad | 2016 - 2018

Bachelors in Applied Mathematics, Finance

Faculty of Sciences, University of Novi Sad | 2013 - 2016

 [stevorackovic.github.io](https://github.com/stevorackovic)

 linkedin.com/in/stevo-rackovic

 stevo.rackovic@gmail.com

Skills

Technical

- Python with TensorFlow and PyTorch
- Microsoft Office
- MySQL
- Autodesk Maya

Conceptual

- Problem-solving
- Machine learning with deep learning
- Data analysis
- Optimization
- Statistics

Languages

- Serbian
- English
- Portuguese

Publications

Clustering of the Blendshape Facial Model, S. Racković, C. Soares, D. Jakovetić, Z. Desnica, R. Ljubobratović, 2021, 29th European Signal Processing Conference (EUSIPCO)

A hybrid compartmental model with a case study of COVID-19 in Great Britain and Israel, G. Malaspina, S. Racković, F. Valdeira, 2023, Journal of Mathematics in Industry