Stevo Racković — Data Scientist, Researcher at IST

Instituto Superior Técnico – Lisbon, Portugal

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I am an ambitious and curious researcher with a strong background in **applied mathematics** and **machine learning**. 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.

Experience

Institute for Systems and Robotics, Instituto Superior Técnico — Lisbon
Early Stage Researcher — *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.

Faculty of Sciences, University of Novi Sad — Novi Sad
Junior Researcher — *2018–2019*
- Developing models for distributed implementation of the common machine learning algorithms.
- Part of a team working on IBiDaaS H2020: Industrial-driven big data as a self-service project.

BIOSENSE Institute — Novi Sad
Intern — *Summer 2017*
- Developing a classifier to accurately recognize the cultures planted in specific fields using satellite images.
- Remote Sensing Lab.

Education

Instituto Superior Técnico — Lisbon
PhD in Statistics and Stochastic Processes — *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.

University of Novi Sad — Novi Sad
Master in Applied Mathematics — *2016–2018*

University of Novi Sad — Novi Sad
Bachelors in Applied Mathematics — *2013–2016*

Languages

Serbian: Native Speaker

English: Fluent

Portuguese: Intermediate

Skills

Technical..

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

Conceptual..

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

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
"*Extreme Multilabel Classification for Specialist Doctor Recommendation with Implicit Feedback and Limited Patient Metadata*", F. Valdeira, S. Racković, V. Danalachi, Q. Han, C. Soares