

NUNO RODRIGUES

Data Scientist

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Lisbon, Portugal



EDUCATION

Ph.D. in Computer Science

Faculty of Sciences, University of Lisbon and
Champalimaud Foundation

2020 – 2024 (awaiting defense)

Thesis: Deep Learning Models for Clinical Assessment of Prostate Cancer

M.Sc. in Computer Science

Faculty of Sciences, University of Lisbon

2018 – 2020

Thesis: Exploring Neuroevolution Fitness Landscapes for Optimization and Generalization

B.Sc. in Computer Science

Faculty of Sciences, University of Lisbon

2013 – 2018

EXPERIENCE

Data Scientist

Champalimaud Foundation

Oct 2020 – Sep 2024

Lisbon, Portugal

- Part of the European Union Horizons 2020 ProCancer-I project. My role as a data scientists consists of developing deep learning models for the clinical assessment of prostate cancer.

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LASIGE and Champalimaud Foundation

Oct 2020 – Sep 2024

Lisbon, Portugal

- Project BINDER.
- The project's objective is to improve the state of the art in Radiomics analysis of breast and rectal cancer, using existing and novel Machine Learning and Deep Learning methods.

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LASIGE and MARE

Oct 2020 – Sep 2024

Lisbon, Portugal

- Project OPTOX.
- Developing AI model for ecotoxicological indexes development. This multidisciplinary approach intends to produce innovative ecotoxicology tests of great added value for future management requirements and impact assessment.

SUMMARY

Results-driven data scientist with a deep passion for everything AI. Keen interest in developing AI-based industry solutions that can improve revenue generation. Over 6 years of python experience and 5 years using machine and deep learning frameworks. Past data scientist experience in providing machine and deep learning solutions for a wide array of multidisciplinary academic projects.

AWARDS

Academic and Social Merit Scholarship by Huawei/.PT, Lisbon, Portugal (2023)

PhD Grant by Fundação para a Ciência e a Tecnologia (FCT), Lisbon, Portugal (2021)

Merit Scholarship by Direção-Geral do Ensino Superior (DGES), Lisbon, Portugal (2020)

SKILLS

Machine learning

Deep Learning

Computer vision

Medical Imaging

Evolutionary Computation

Tabular Data

Pytorch

Scikit-Learn

Keras

Python

Java

LANGUAGES

Portuguese

● ● ● ● ●

English

● ● ● ● ●

Spanish

● ● ● ● ●

Italian

● ● ● ● ●

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LASIGE

📅 Oct 2020 – Sep 2024

📍 Lisbon, Portugal

- Project PREDICT.
 - Propose cutting-edge machine learning techniques to address the problems emerging from electrical medical records, for therapy selection of rheumatic diseases.
 - Project PERSEID.
 - Personalizing cancer therapy through integrated modeling and decision.
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LASIGE and ISA

📅 Oct 2020 – Sep 2024

📍 Lisbon, Portugal

- Project GM3.
 - Developing a genetic programming based pixel classifier for remote-sensing applications.
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Assistant Professor

NOVA IMS

📅 Oct 2020 – Sep 2024

📍 Lisbon, Portugal

- Planning and lecturing the practical classes for the Computational Methods for Optimization course.
- Planning and lecturing the practical classes for the Neuroevolution course.

SCIENTIFIC ACTIVITIES

Project Proposals

Developing a project proposal for the SAC-CCT FCT project grants regarding developing computer vision models for fisheries stock assessment using fish otolith data. This project is being developed in partnership with the Portuguese Institute for Sea and Atmosphere (IPMA).

Reviewer

Peer reviewer for multiple prestigious journals and conferences such as:

- IJCAI
 - IEEE Transactions on Evolutionary Computation
 - GECCO
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Conference organizing

Member of the local organizing team of GECCO 2023