Miguel Fernandes

Data Scientist with the goal to empower people through knowledge

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SKILLS

Python	AI

Git	Life sciences

Machine learning	SQL

LANGUAGES

Portuguese
Native

English
Fluent

German
Fluent

French
Basic

AWARDS

Hans-Grisebach Award 2014
University of Freiburg
Outstanding dissertation in the field of biochemistry and molecular biology

WORK EXPERIENCE

BetterDoc (October 16, 2022 – Present)
Senior Data Scientist

Developing data-driven approaches to help every patient to get the best possible treatment:

- Data Science (Python, SQL)
- Data Visualization
- Statistical Data Analysis
- Improvement of data quality and data sources
- Automation of workflows (AI, Machine learning)

DZNE (Deutsches Zentrum für Neurodegenerative Erkrankungen) (March 01, 2021 – September 30, 2022)
Head of the Image and Data Analysis Facility (IDAF)/Data Scientist

- Managing a team of Data Scientists
- Data Science (artificial Intelligence, deep learning, machine learning, statistical analysis)
- Development of machine learning algorithms for predicting drug activity, toxicity, or mechanism of action (high-content screening)
- Consulting and teaching data analysis and visualization techniques

Max Planck Institute of Neurobiology (September 01, 2013 – February 28, 2021)
Researcher/Data Scientist

- Analysis and visualization of complex datasets
- Employment and development of diverse machine learning tools (supervised and unsupervised learning algorithms)

EDUCATION

University of Freiburg (April 01, 2009 – August 31, 2013)
PhD, Neuroscience, Biology

- Data analysis of imaging and time-series data
- Development of molecular and transgenic tools for neural circuit dissection
- Confocal imaging of *in vivo* and *in vitro* brain samples

INTERESTS

Reading, Football, Martial Arts, Biking, Cooking

CERTIFICATIONS

Machine Learning with Python (April 14, 2020)
Coursera

Databases and SQL for Data Science with Python (May 01, 2021)
Coursera