



Sorokoletova Olga

Artificial Intelligence Research Engineer

PERSONAL INFORMATION

Location – Rome RM, Italy (open to relocation)
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EDUCATION

Master of Science in Artificial Intelligence and Robotics

University of Rome La Sapienza (2020 - 2022), Rome, Italy

- ❖ Faculty: Information Engineering, Computer Science and Statistics
- ❖ Elective in: Artificial Intelligence
- ❖ Thesis Topic: "Enhancing Robot Reliability for Health-Care Facilities by means of Human-Aware Navigation Planning" Final Grade: 4.7/5.0
- ❖ Final Grade: 110/110

Bachelor of Science in Applied Mathematics and Computer Science

Lomonosov Moscow State University (2015 - 2019), Moscow, Russia

- ❖ Faculty: Computational Mathematics and Cybernetics
- ❖ Lab: Mathematical Statistics and Probabilistic Theory
- ❖ Thesis Topic: "Deep Learning for Cryptocurrency Time Series Forecasting"
- ❖ Final Grade: 4.7/5.0

PROFESSIONAL EXPERIENCE

Risk Portfolio Analyst

OTP Bank (2019 - 2020, 1 full year), Moscow, Russia

Experience:

- ❖ Automated the calculations of NPV using Python, resulting in increased accuracy, efficiency, and scalability.
- ❖ Performed statistical analysis on COVID-19 affected client segments to optimize loan issuance with minimal risk exposure, while maximizing profitability for the bank.
- ❖ Analyzing complex creditworthiness data, developed a DL-based scoring model that improved accuracy, leading to a more reliable lending process.

TECHNICAL SKILLS

Programming
languages

Python
C/C++
MATLAB
PDDL
SWI-Prolog

R
Assembly x86
HTML
SQL
SAS

Frameworks

Python for
Data Science

Tensorflow, Keras, PyTorch, Scikit-Learn,
Pandas, NumPy, Matplotlib, Apache Spark,
SciPy, Fast.ai, TorchText, Hugging Face,
NLTK, PIL, OpenCV

ROS
NAOqi
OMPL
OpenSim

ROS Navigation Stack, ROS Stage, RViz

Development
tools

Jupyter
Anaconda
Visual Studio
Docker

Git
Oracle MySQL
SAS
Android Studio

LANGUAGES

- ❖ Russian ●●●●●●●● Native speaker
- ❖ English ●●●●●●○ C1/C2 [IELTS Certificate with score 7.0 in 2019]
- ❖ Italian ●●●○○○○ B1 [Currently studying]

ACKNOWLEDGMENTS

- ❖ On-going preparation of publication (2023)
Enhancing Robot Reliability for Health-Care Facilities by means of Human-Aware Navigation Planning
- ❖ Completed: ROS2-based Motion Planning series of courses (2022)
Distributed Control Model Predictive Control
Dynamic Window Approach Introduction to ROS2
Artificial Potential Field Navigation Stack in ROS2
Timed Elastic Band
- ❖ Completed: Continual Learning course (2022)
Continual Learning
- ❖ Participated: Neurorehack Hackathon (2021)
Summer School and hands-on Hackathon in NeuroRehabilitation Engineering
- ❖ Completed: MIT Open Courseware (OCW) course (2020)
Introduction to Algorithms
- ❖ Published: Journal article (2019)
Random Sampling Method for Cryptocurrency Market Time Series Forecasting
- ❖ Completed: Coursera self-educator courses (2019)
Programming in Python
Python for Data Analysis
Introduction to Machine Learning
Introduction to Blockchain Technology
- ❖ Completed: Deep Learning School course (2019)
Deep Learning
- ❖ Completed: Collaborative MSU and Deutsche Bank course (2018)
Mathematical Models in Investment Banks
- ❖ Participated: NIPS Learning to Run Competition (2017)
Reinforcement Learning Environments with Musculoskeletal Models

SOFT SKILLS

- ❖ Communication and teamwork abilities
- ❖ Proactiveness/Initiative
- ❖ Hardworking/Engagement
- ❖ Structured thinking, Analytical and Problem-Solving skills, Decision-Making
- ❖ Curiosity/Continuous Self-Improvement

Last updated on March 22, 2023