

OLGA SOROKOLETOVA

Artificial Intelligence Research Engineer

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♥ Rome, Italy



EXPERIENCE

Machine Learning Engineer

CY4GATE

Oct 2023 – Ongoing

♥ Rome, Italy

- Active contributor on the Data & Artificial Intelligence team within the Cybersecurity sector, spearheading cutting-edge NLP research

Risk Analyst

OTP Bank

Sep 2019 – Ongoing

♥ Sep 2020

- 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
- Analyzed complex creditworthiness data and developed a DL-based scoring model that improved accuracy, leading to a more reliable lending process.

EDUCATION

M.Sc. in Artificial Intelligence and Robotics

University of Rome La Sapienza

2020 – 2022

Specialization: Artificial Intelligence

Thesis title: Enhancing Robot Reliability for Health-Care Facilities by means of Human-Aware Navigation Planning

GPA: 110/110

B.Sc. in Applied Mathematics and Computer Science

Lomonosov Moscow State University

2015 – 2019

Specialization: Mathematical Statistics and Probabilistic Theory

Thesis title: Deep Learning for Cryptocurrency Time Series Forecasting

GPA: 4.7/5.0

TECHNICAL SKILLS

Programming Languages

Python C/C++ SQL Assembly x86
MATLAB R PDDL HTML
SWI-Prolog SAS

Frameworks/Libraries

TensorFlow PyTorch Scikit-Learn
Pandas NumPy Matplotlib SciPy
Fastai Apache Spark Hugging Face
NLTK PIL OpenCV

ROS Navigation Stack ROS Stage RViz

NAOqi OMPL OpenSim

Development Tools

Jupyter Anaconda Git Oracle MySQL
Visual Studio Docker Android Studio
SAS

LANGUAGES

Russian ● ● ● ● ●

English ● ● ● ● ●

Italian ● ● ● ● ●

SOFT SKILLS

Hard-working and Commitment
Methodical and Analytical Thinker
Problem Solver
Continuous Self-Improvement
Effective Communication and Team Collaboration
Proactive and Initiative-Driven

PUBLICATIONS

Journal Articles

- “Enhancing robot reliability for health-care facilities by means of human-aware navigation planning,” *Ongoing preparation of publication*, 2023.
- **O. E. Sorokoletova** and T. V. Zakharova, “Random sampling method for cryptocurrency market time series forecasting,” *Systems and Means of Informatics*, vol. 29, pp. 65–72, 4 2019.

COURSES

ROS2-based Motion Planning

Skills.move Learning Platform – EIT Manufacturing

 2022

- Distributed Control
 - Model Predictive Control
 - Dynamic Window Approach
 - Introduction to ROS2
 - Artificial Potential Field
 - Navigation Stack in ROS2
 - Timed Elastic Band
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Continual Learning

ContinualAI

 2022

Introduction to Algorithms

MIT OpenCourseWare (OCW)

 2020

Deep Learning

Deep Learning School

 2019

Coursera

 2019

- Programming in Python
 - Python for Data Analysis
 - Introduction to Machine Learning
 - Introduction to Blockchain Technology
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Mathematical Models in Investment Banks

Moscow State University and Deutsche Bank

 2018