OLGA SOROKOLETOVA

Artificial Intelligence Research Engineer

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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 – Sep 2020   📍 Moscow, Russia

- 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

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

Mathematical Models in Investment Banks
Moscow State University and Deutsche Bank

📅 2018