

Sorokoletova Olga

Artificial Intelligence Developer, Data Scientist, Robotics Engineer

I am seeking a full-time position in the Artificial Intelligence and Robotics field where I can effectively apply my skills and knowledge, collaborate with like-minded professionals, and learn from the social environment to develop innovative solutions. Ultimately, my goal is to make a notable contribution to the field and further expand my expertise.

Can work both from the office or remotely. Open to relocation in Europe.

PERSONAL INFORMATION

Date of Birth – 02-June-1997 (25 y.o.)

Address – Via Collalto Sabino, 14, Rome RM, Italy
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DUCATION

Master degree in Artificial Intelligence and Robotics

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

Public Research University

- 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: 110/110

Bachelor degree in Applied Mathematics and Computer Science

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

Federal State Budgetary Educational Institution of Higher Education

- ❖ 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

School №2109 (2009 - 2015), Moscow, Russia

State Budget General Education Institution of the City of Moscow

❖ A-level (5.0/5.0)

School №356 (2004 - 2009), Moscow, Russia

State Budget General Education Institution of the City of Moscow

❖ A-level (5.0/5.0)

**** PROFESSIONAL EXPERIENCE**

Competencies

- Monitoring
- Ad-hoc Analysis
- Analytical Indicators Forecasting
- Strategy Elements Improving
- Development and Implementation of New Strategy Elements
- Decision-Making System Modifications
- Implementation of Innovative Products
- Communication with HQ

| ₹ TECHNICAL SKILLS | | |
|--------------------------|-----------------------------------|--|
| Programming languages | C/C++ | Development of the large study projects during BSc and MSc |
| | Python | Development of the large study projects and theses during BSc and MSc |
| | MATLAB | Developments of the large study project and small programs in robotics during MSc |
| | PDDL | Development of the study projects during MSc |
| | SWI-Prolog | In form of on-going assignments of Al course during MSc |
| | R | Development of the study projects during BSc |
| | Assembly x86 | Development of the study projects during BSc |
| | HTML | Development of the study projects during MSc |
| | SQL | Corresponds to competency of Middle Analyst |
| | SAS (Base, Guide, Miner) | SAS Data Analysis by SAS Institute |
| Frameworks | Python for Data Science | Tensorflow, Keras, PyTorch ,Scikit-Learn, Pandas, NumPy, Matplotlib, Apache Spark, SciPy Fast.ai, TorchText, Hugging Face, NLTK, PIL, OpenCV, etc |
| | ROS NAOqi OMPL OpenSim | ROS Navigation Stack, ROS Stage, RViz |
| Development tools | Jupyter Google Colab Docker | |

Anaconda Visual Studio

Git

Oracle MySQL

SAS

Android Studio

Operating Windows systems Ubuntu

Office MS Office suite Latex

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

Dynamic Window Approach

Artificial Potential Field

Timed Elastic Band

Model Predictive Control

Introduction to ROS2

Navigation Stack in ROS2

Founded by: EIT Manufacturing community (University of Tartu, Estonia; BIBA, Breme; Czech Technical University, Prague; COMAU, Turin)

Completed: <u>Continual Learning</u> course (2022)

Continual Learning

Founded by: ContinualAI

Participated: Neurorehack Hackathon (2021)

Summer School and hands-on Hackathon in NeuroRehabilitation Engineering Supported by: Prof. Febo Cincotti, Sapienza University of Rome, Italy

Completed: MIT Open Courseware (OCW) course (2020)

Introduction to Algorithms

Founded by: Massachusetts Institute of Technology

Published: Journal article (2019)

Random Sampling Method for Cryptocurrency Market Time Series Forecasting Published in: Systems and Means of Informatics

Participated: <u>Kagale</u> (2019 - 2022)

Clothing dataset (full, high resolution)

The Simpsons Dataset

Steam Reviews Dataset 2021

CelebFaces Attributes (CelebA) Dataset

Completed: <u>Coursera</u> self-educator courses (2019)
 Programming in Python
 Python for Data Analysis
 Introduction to Machine Learning
 Introduction to Blockchain Technology

Completed: <u>Deep Learning School</u> course (2019)

Deep Learning

Founded by: Phystech School of Applied Mathematics and Informatics (MIPT), Russia

- Completed: Collaborative MSU and Deutsche Bank course (2018)
 Mathematical Models in Investment Banks
- Awarded: <u>CFA Institute</u> Certificate (2018)
 Ethics Quiz for Young Finance Professionals
- Participated: NIPS Learning to Run Competition (2017)
 Reinforcement Learning Environments with Musculoskeletal Models
 Supported by: Lomonosov Moscow State University (Course Paper)

SOFT SKILLS

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

EXTRA-CURRICULAR

Volunteering

Business Forum "Happiness as a Business-Model"

(Skolkovo Innovation Center)

- FinTech and Digital Innovation Conference "FinTech2018"
 - (Congress Center Technopolis)
- MSU Startup Day
 - (Lomonosov Moscow State University)
- All-Russian Science Festival "NAUKA 0+" (Lomonosov Moscow State University)

Hobbies

- Leadership in Intercollegiate Direction of Students Short Films Festival GRACH
- ❖ Travelling
- Storytelling
- Athletics, Long Distance Running
- Dancing
- Snowboarding

Last updated on March 4, 2023