

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
GitHub – https://github.com/olga-sorokoletova
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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

Published: Journal article (2019)

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

Participated: NIPS Learning to Run Competition (2017)

Reinforcement Learning Environments with Musculoskeletal Models Supported by: Lomonosov Moscow State University (Course Paper)

Participated: Neurorehack Hackathon (2021)

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

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

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

Introduction to Algorithms

Founded by: Massachusetts Institute of Technology

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

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

Clothing dataset (full, high resolution)

The Simpsons Dataset Steam Reviews Dataset 2021

CelebFaces Attributes (CelebA) Dataset

Awarded: <u>CFA Institute</u> Certificate (2018)
 Ethics Quiz for Young Finance Professionals

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