Sorokoletova Olga

BSc. Applied Mathematics and Computer Science

Middle Analyst

MSc. Artificial Intelligence and Robotics

i PERSONAL INFORMATION

Date of Birth 02-Jun-1997 (24 y.o.)

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DUCATION

Master student in Artificial Intelligence and Robotics

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

Public Research University

- Faculty: Information Engineering, Computer Science and Statistics
- Elective in: Artificial Intelligence
- * Exams left: 2, expected graduation date: October 2022
- **4** 27.8/30.0

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
- Final qualifying paper: "Deep Learning for Cryptocurrency Time Series Forecasting"
- **4.7/5.0**

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

State Budget General Education Institution of the City of Moscow

❖ A-level (5.0/5.0)

High School №356 (2008 - 2009), Moscow, Russia

State Budget General Education Institution of the City of Moscow

❖ A-level (5.0/5.0)

**** PROFESSIONAL EXPERIENCE**

Risk Portfolio Analyst

OTP Bank (2019 - 2020), Moscow, Russia

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

PROFESSIONAL SKILLS		
Programming languages	C/C++	Development of the large study projects during BSc and MSc
	Python	Development of the small study projects, during BSc, self-taught for final qualification paper through educational web-platforms, a large project about interactive NPV computation in OTP Bank, development of the large study projects during MSc
	MATLAB	Developments of the large study projects in robotics during MSc
	PDDL	In form of on-going assignments of Al course during MSc
	SWI-Prolog	In form of on-going assignments of Al course during MSc
	R	Development of the study projects on time series forecasting during BSc
	Assembly x86	Development of the study projects during BSc
	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
	OMPL OpenSim	٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠, ٠
Development tools	Google Colab Jupyter Anaconda Visual Studio Git Oracle MySQL SAS	
Operating systems	Windows Ubuntu	
Office suite	MS Office Latex	

語言 LANGUAGES

- Russian
- English
- Italian
- ●●●○○○○ B1 [Currently studying]

ACKNOWLEDGMENTS

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: 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: Kaggle (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

- Collaboration/Teamwork
- Proactiveness/Initiative
- Hardworking/Engagement
- Structured Thinking/Analysis
- Problem Solving/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 at Lomonosov Moscow State University
- Storytelling
- Athletics, Long Distance Running
- Dancing
- Snowboarding

Last updated on May 10, 2022