

ML ENGINEER

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OBJECTIVE

Junior Machine learning Engineer with a foundation in Computer Science, Maths and experience in Robotics and AI projects. Looking for a full-time role of the Machine Learning Engineer.

EDUCATION

Bachelor of Computer Science and Robotics, ITMO University Sep 2020 - Aug 2024

- Courses: Probability Theory, Math Statistics, Optimization Methods, Machine Learning Technical Vision, Programming, Low-Level Programming, Algorithms and Data Structures Digital and Micro controller, Hardware, Robot Programming.

Master of Computer Science, AI, Behavioral Economics, ITMO University Since Sep 2024

EXPERIENCE

Data Analyst in fintech company "Директ Кредит" Since Aug 2024

- Automated routine data processing tasks by writing Python scripts, significantly improving workflow efficiency and reducing manual effort.
- Developed and optimized complex SQL queries to extract, aggregate, and analyze data from various databases, supporting decision-making processes
- Managed and maintained the PostgreSQL database, ensuring data integrity, optimizing performance, and troubleshooting issues.

PROJECTS

Bachelor thesis

SLAM – simultaneous localization and mapping. For the research, I had to understand the mathematics of existing algorithms (Kalman filters, particle filters, Lie algebras), and write code in Python and C++, using ROS to test the algorithms.

For more details, visit the [GitHub repository](#).

Learning Lab ITMOxNexign Hackathon

Project for the Nexign intensive course, utilizing a fine-tuned YOLOv8 model for classifying advertising materials from various mobile operators in a single retail location and determining the competitiveness index at that location.

The neural network has the following metrics:

- mAP50-95: 0.68 (for MegaFon: 0.8, for Yota: 0.76, for others: 0.47)
- mAP50: 0.81
- Recall: 0.86
- Precision: 0.85

For more details, visit the [GitHub repository](#).

SKILLS

Hard Skills Python, C++ Git, Docker, SQL, PostgreSQL, PyTorch, TensorFlow
OpenCV, pandas, FastAPI, SQLAlchemy

Soft Skills Organizing the Agile working process of the team in Jira, team development via SCRUM