

Ivan Dobrosovestnov

Middle ML engineer



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"I love interesting tasks and the opportunity to grow in a team"

Experience

● Middle ML engineer (SIT Programming School) July 2022 - Present (Serbia, Belgrade)

Analysis of student's programming code, improvement of the educational process through the integration of ML technologies:

- developed a system that detects abnormal behavior of students, such as cheating, misunderstanding of the material (also known as "fraud detection")
 - US Patent "Method and system for classification of student progress in solving a complex problem" №18/175,551 (Filed Feb 28, 2023, on patent pendind)
 - US Patent "Method and system for automatically assigning a behavioral category to a student's study" №18/175,551 (Filed Feb 28, 2023, on patent pendind)
- developed an infrastructure for churn prediction analysis:
 - building ML pipeline from scratch (EDA / data collecting / prediction model / deployment)
 - NLP analysis of CRM tasks
 - achieving 80% PR AUC score when predicting student's churn
- developed Transformer Encoder-Decoder model for Knowledge Tracing
 - Paper "Profiling of Students' Competencies for Adaptive Learning Systems" (*bachelor's thesis*)

● Teacher and Methodist (Moscow Programming School) 2020 - 2022 (Moscow, Russia)

- Teaching a C++ and Python courses
- Development of tasks for the inner olympiad and C++ course

Education

● Higher Education (Bachelor) 2019 - 2023

- Higher School of Economics University
- Program: "Applied mathematics and Information Science"
- Professional development program Management (760 hours)
- GPA: 7.79 / 10

● Secondary General Education 2017 - 2019

- Higher School of Economics Lyceum
- Program: "Mathematics, Computer Science and Engineering"

Skills

Programming

- Python
- C++ / C

Technologies

- Advanced ML approaches
- ML Optimization methods
- Recommendation models
- Computer Vision
- NLP

- Statistics
- Crowdsourcing

Frameworks

- Pytorch
- Hadoop, Spark
- Deploying:
Jango, Git, CI/CD, Docker,
Ansible, SQL, DVC, Linux