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 problemMethod 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 infrustructure 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