ALEXEY SHISHKIN

+7(911)224-23-41 ⋄ alexxxeyshishkin@gmail.com ⋄ https://github.com/Alexvsalexvsalex

EDUCATION

HSE University   *2022 – 2024*
Master's degree
Computational Biology and Bioinformatics

ITMO University   *2018 – 2022*
Bachelor's degree
Applied Mathematics and Computer Science

SKILLS

Scala, Java, Python, C++, Protobuf, sbt, bash, git, Highload, MapReduce, Algorithms

WORK EXPERIENCE

Yandex. Spark over YTsaurus   June 2021 – Present
Software Engineer   *Scala, Java, Python, C++*

· Integration Apache Spark to YTsaurus – distributed storage and compute platform

  – Designed and implemented SQL queries platform

  – Reduced query execution time by 15% by implementing filter predicate pushdown

  – Reduced query execution time by 20% by optimizing joins and aggregations on sorted dataframes

  – Supported Structured Streaming pipelines

  – Developed end-to-end and integration testing framework

  – Prepared open-source release

ITMO University   Sept. 2021 – May 2022
Teaching assistant   *Java, JS, Clojure, Prolog*

· "Introduction to programming", "Programming paradigms". Review students' homework assignments and answer their questions about the courses

PROJECTS

ML betting bot
Python

· A bot that predicts results of live Dota 2 matches. The application includes a few parts:

  – Concurrent downloading match history from Valve Dota 2 API

  – Auto rebuilding ML model with relevant dataset using Apache Kafka

  – Monitoring games on betting site using computer vision for parsing game state from video broadcast

ACHIEVEMENTS

Saint HighLoad++ 2023 Conference	Speaker
Google Hash Code 2022 Qualification Round	164th place (1.6%)
ICPC, quarter-final (2021)	23th place (26%)
All-Russian Olympiad of School Students, regional stage (2017, 2018)	1st place