

ALEXEY SHISHKIN

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EDUCATION

HSE University

2022 – 2024

Master's degree

Applied Mathematics and Computer Science

ITMO University

2018 – 2022

Bachelor's degree

Applied Mathematics and Computer Science

SKILLS

Work experience

Scala, Java, Python, Map Reduce, sbt, git, bash

Study experience

C++, Haskell, Android, ML

WORK EXPERIENCE

Yandex. Spark over YT

June 2021 – Present

Software Engineer

Scala, Python

- Integration Apache Spark to Yandex infrastructure and Yandex distributed data storage
 - Reduced query execution time by 15% by implementing filter predicate pushdown
 - Reduced query execution time by 10% by implementing optimization join and aggregation stages in spark plan on sorted dataframe
 - Implemented configurable logging service
 - Migrated from Spark 3.0 to Spark 3.2
 - Developed end-to-end testing Scala and Python clients

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 has a few parts:
 - Concurrent downloading match history from Valve Dota 2 API
 - Auto rebuilding ML model with relevant dataset
 - Monitoring live games on betting site using computer vision for parsing game state from video broadcast

ACHIEVEMENTS

Google Hash Code 2021 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