

# ALEXEY SHISHKIN

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## EDUCATION

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**ITMO University**

*2018-2022*

Bachelor's degree

Applied Mathematics and Computer Science

## SKILLS

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**Java**            Maven, JUnit, Spring, FreeMarker

**Python**        Numpy, Pandas, Scikit-learn

**Extra**          Bash, Git, C++, MySQL

## PROJECTS

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### **Blog**

*Java*

- An Internet service that allows users to create profiles, write posts, comment them. There are several roles with different permissions. All information is stored in the MySQL database by Hibernate. Service pages are generated using FreeMarker.

### **Search robot**

*Java*

- A project for traversing a tree of web pages. It is possible to start parallel downloading and processing of sites to the specified depth. Timeouts and query limitations are customizable. To write multi-threaded code, the Concurrency Utilities package was used.

### **Bank**

*Java*

- A banking application model with basic operations: registration, account creation, deposit, withdrawal. The client uses the RMI interface to communicate with the server.

### **Compress library**

*C++*

- Implementation of data compression and decompression using the Huffman algorithm. There is a testing framework and a console utility for working with the library.

## ACHIEVEMENTS

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**ICPC, quarter-final (2019)**

44th place (40%)

**IOIP (2018)**

69th place (21%)

**All-Russian School of Informatics, regional stage (2018)**

1st place

**All-Russian School of Informatics, regional stage (2017)**

1st place