

Sophia Shishkina

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| <i>Birth</i> | July 8, 1999 |
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EDUCATION

Higher School of Economics 2022 – 2024

Master's degree

Department of Applied Mathematics and Computer Science

Direction of Computational Biology and Bioinformatics

St. Petersburg, Russia

Bauman Moscow State Technical University 2017 – 2021

Bachelor's degree

Faculty of Radio Electronics and Laser Technology

Department of Instrument Engineering Technologies

Moscow, Russia

SKILLS

- Languages and tools : Python, Flask, SQL, Bash, Docker, Haskell, Git, MATLAB
- English intermediate

PROJECTS

- **Bioinformatics course.** Algorithms in bioinformatics: efficient work with strings (amino acid sequences), graphs and trees for genome assembly, dynamic programming for sequence alignment, probabilistic models.
- **Machine learning course assignments.** Work with: clustering, regression analysis, SVM, decision tree, random forest, deep learning.
- **Functional programming.** Work with: infinity data structures, base algorithms, pseudo-random generation, monads (Reader, Writer, State, IO, etc), parsers (CSV, Fasta, PDB etc).

WORK EXPERIENCE

- **Haskell (teacher assistant):** helping on lectures, checking students' homework, answer the questions.