

## EDUCATION

Maastricht University  
BS in Data science and  
Artificial Intelligence

📅 Graduating in February 2023

School №2007 with advanced  
learning of physics and  
mathematics

📅 Graduated in May 2019

📍 Moscow, Russia

- Graduated with **Gold medal**.

## SKILLS

### Specialty

- Algorithms and Data Structures
- Graph theory

### Coursework

- Software Engineering
- Probability and Statistics
- Calculus
- Linear Algebra
- Linear Programming
- Data analysis
- Image and Video processing
- Machine learning
- Object-oriented programming

### Languages

Experienced:

Python • C++

Familiar:

Java • Javascript • HTML • CSS

PostgreSQL • Matlab

### Frameworks and Libraries

REST • MongoDB • React.js

Flask • OpenCV

pandas • numpy • pytorch

tensorflow • sklearn • matplotlib

### IDES and Technologies

JupyterLab • Google Colab

VSCode • IntelliJ

gradle • Git • Linux

### Soft Skills

- Strong mathematical thinking and extensive problem-solving background
- Pro-active and taking initiative
- Teamwork, teaching experience
- Languages:  
Russian (Native) • English (Fluent)

# IVAN POLIAKOV

## Software Engineer

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🌐 m1v1savva - fiverr.com



## WORK EXPERIENCE

### Garant | NLP Engineer

📅 August - December 2021

📍 Moscow, Russia (remote)

- **Built a minimalistic library** *gtext* for working with common text processing techniques (**lemmatization**, calculating **Bert** embeddings, **TF-IDF**, etc). The library is now expanding within the company and is applied in many projects.
- **Designed a search model** for popular support chat questions utilizing *gtext*.
- **Found optimal hyperparameters** for a search model using **linear programming**.

## PROJECTS AND COMPETITIONS

### Personal and Team Projects | Development | 🐙 | 🐙

📅 September 2019 - January 2022

📍 Maastricht, The Netherlands

- **Completed 5 projects** on various topics with a **team of classmates** throughout the undergraduate program.
- **Developed an aesthetic Tetris** game with **AI powered by genetic algorithm**. Made in **Java**
- **Built .obj files renderer** from scratch in **C++** utilizing **matrix transformations**.

### Competitive Programming | Competitions and Teaching | 🏆 | 🏆



📅 August 2017 – present

📍 Moscow, Russia

- **Master on Codeforces.com** (2121 rating, 97th percentile)
- **2019 ROI finals** Russian Olympiad in Informatics, 226th across all ages
- **2019 ROI** Russian Olympiad in Informatics, regional stage, **17th in Moscow** in my age group
- **Over 2000 problems** solved in **C++** using **advanced data structures, algorithms and math techniques**
- **Gave a 3-hour long lecture on Graph Theory in English** in front of more than 30 students.
- **Currently doing private coaching** in both **English** and Russian, so far worked with **6 students**, longest for more than **2 years**.

### Bachelor's Thesis on Generative Adversarial Networks | Research |



📅 December 2021 - June 2022

📍 Maastricht, The Netherlands

- **Produced anime and manga facial images** on low budget with **Conditional StyleGAN** and **Transfer Learning**

## HOBBIES

I like chess, football and competitive programming.  
I also play piano and draw.