

# ARTEM AGEYEV

## C++ Backend developer

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📍 Belgrade Serbia



## EDUCATION

National Research University Higher School of Economics

**Major: Applied Mathematics and Information Science**

📅 September 2020 – June 2025      📍 Moscow, Russia

GPA: 4.13/5

## WORK EXPERIENCE

### C++ Software Developer

**Yandex**

📅 Apr 2023 - present (2.5y+)      📍 Belgrade, Serbia

04.2023-10.2024 - **C++ Backend dev for Yandex Products**

Developing latency-critical product search algorithms in C++. Implementing new functionality in large codebases (millions LOC).

**Notable project:** AI-based product search with LLM suggestions and answers.

**Notable project:** Python framework to deploy telegram bots.

10.2024-now - **Big data engineer/Backend developer for image search.**

Developing and maintaining build infrastructure for a multi-Petabyte database of images. Optimization of C++ map-reduce processing, Python scripting.

**Notable project:** Integration testing for the entire build process, allowing per-commit error search.

**Notable project:** Improved image garbage collection, saving 40% of disk space.

### C++ developer/DevOps

**Aria group trading**

📅 Sep 2022 - Apr 2023 (0.5y)      📍 Remote

C++ development for low-latency trading system. Implementation of trading algorithms and market connectors. Runtime profiling, stress-testing and optimization.

Linux server management and monitoring systems.

### Software Test Engineer

**Kaspersky**

📅 Jul 2022 - Sep 2022 (0.25y)      📍 Moscow, Russia

Test automation in C/C++ for Kaspersky AV SDK. Manual testing & test design. Worked as an intern, had to quit due to relocation.

### Lecturer (6 courses in total)

**Department of Informatics of the Olympiad Schools, MIPT**

📅 Mar 2020 - May 2021 (1.25y)      📍 Moscow, Russia

300 hours of lectures on topics of competitive programming (C/C++) and information security (Linux, C/C++, Python).

## PROJECTS

### 3D Drawer

**A project to create 3D images only with hands**

<https://github.com/leviathan0117/3D-Drawer>

- Gold medal in BYSCC 2019 (📍 Beijing, China)
- Finalist in Intel ISEF 2019 (📍 Phoenix, USA)
- Winner of 'Scientists of the future 2018' science fair (📍 Moscow, Russia)

**Detection of images made with generative AI**

**Bachelor-thesis**

<https://github.com/codereptile/bachelor-thesis>

## STRENGTHS

- Main development languages:

C/C++



Python



- Other:

Linux



Git



Bash scripting



SQL



## SOFT SKILLS

Public speaking

Leadership

Teamwork

Critical thinking

## CITIZENSHIP

USA

Russia

## LANGUAGES

Russian



English

