

# DUNAITSEV ALEXANDER

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## EDUCATION

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**Bauman Moscow State Technical University**

**09.2019 – 06.2023**

*Bachelor "Computer-aided design systems" - CGPA - 4.68*

*Moscow, Russia*

## ADDITIONAL EDUCATION

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Course "Prepatory program C/C++" Technopark BMSTU

02.2020 – 06.2020

Course "Linux system administration" Technopark BMSTU

02.2020 – 06.2020

Course "Algorithms and data structures" VK Education

09.2021 – 12.2021

Course "System architect" VK Education

02.2022 – 06.2023

## PROJECTS

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**Application for displaying polygonal numbers** 🔗 | C++, SFML, CMake

**06.2020**

- Develop appliaction for polygonal numbers rendering within framework of research work "Polygonal numbers and polygonal patterns".
- <https://github.com/dunaitseva/NIR>

**AES algorithm implementation** 🔗 | C++, GitHub Actions, GTest, CMake

**01.2021**

- Developed the software module architecture, that implements AES (according FIPS 197, AES based on symmetric cipher algorithm Rijndael). Implemented C++ library based on developed architecture.
- <https://github.com/dunaitseva/AES>

**Web-application "Hospital"** 🔗 | Python, Flask, HTML, CSS, Bootstrap, MySQL

**09.2021**

- As part of the course work, implemented the "Hospital" information system using the MVC architecture design principle.
- [https://github.com/dunaitseva/course\\_project\\_infosys\\_bmstu](https://github.com/dunaitseva/course_project_infosys_bmstu)

## SKILLS

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**Programming languages:** Python, C, C++, Bash, SQL, L<sup>A</sup>T<sub>E</sub>X

**Technologies/Frameworks:** STL, Boost, GTest, CMake, Linux, Flask, Git, GitHub Actions, HTML, CSS, Bootstrap

## ADDITION

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- Test writing experience
- Usage CI experience
- Used code dynamic analyzes tools (valgrind, sanitizers)
- Used code static analyzes tools (cpplint, cppcheck, fbinfer, clang-tidy, и т. д.)
- English Intermediate, read technical documentation.

## EMPLOYMENT PER WEEK

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Ready to work 20-30 hours per week.