Dunaitsev Alexander

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EDUCATION

Moscow State University named after N. E. Bauman **09.2019 – 06.2023**
*Bachelor "Computer-aided design systems" - **CGPA - 4.68*** *Moscow, Russia*

ADDITIONAL EDUCATION

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

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

SKILLS

Programming languages: Python, C, C++, Bash, SQL, LaTeX
Technologies/Frameworks: STL, Boost, GTest, CMake, Linux, Flask, Git, GitHub Actions, HTML, CSS, Bootstrap

ADDITION

- 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

Ready to work 20-30 hours per week.