

Basalov Iaroslav

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Work

	Yandex - Search as a Service - Backend Engineer
	Backend Python development:
2023 - 2023	<ul style="list-style-type: none">• Automation and debugging of SaaS infrastructure components;• Development of an interface for interaction with these automation tools using Flask and aiohttp;• Development of scripts and auxiliary microservices in Python3;• Integrating C++ and Python3 components using Cython;• Porting Legacy code from Python2 to Python3.
	CMC MSU - Engineer
	Python development:
2022 - 2022	<ul style="list-style-type: none">• Development of an automated isolated system for homework checking;• Development of the system structure;• Implementation of publishing system for test results in Python3 (Jinja2).
2023 - 2024	Math tutor Math tutor for grades 7–9

Education

2020 - 2024	Lomonosov Moscow State University Faculty of Computational Mathematics and Cybernetics Department of Computer Systems and Automation Bachelor's degree.
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Projects

2023- 2024	Implementation of graph partitioning algorithms Implementation of algorithms as part of scientific work on the distribution of workload across processors.
2018	Client-Server Application The server is implemented in Python3 (Flask, SQLAlchemy) The client is implemented in Java.
2019	Celestial bodies motion simulator Solving n-body problem with 1st order Runge-Kutta method in Python3 using NumPy

Achievements

- Prize-winner of regional stage of the all-russian olympiad of school students in informatics.
- Winner of the open Olympiad of schoolchildren in informatic (ITMO).
- Hackathon TulaHack - 4th place

Skills

Programming languages	Python3, Go, C/C++, NASM
Frameworks and libraries	Flask, asyncio, NumPy
Tools	Git, CMake, Docker
Languages	Russian(Native), English(B2)
Other skills	LaTeX