

ARKHIPOV ALEKSANDR

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Moscow, Russia

EDUCATION

Moscow Institute of Physics and Technology , Dolgoprudny, Russia	<i>2017 - 2021</i>
Bachelor	GPA: 4.2/5
Department of Control and Applied Mathematics	
Sub-faculty ABBYY Computer vision and document scanning technology	
Lyceum «School №2» , Moscow, Russia	<i>2015 - 2017</i>
Top tier Physics & Math's Russian lyceum	GPA: 4.7/5

WORK EXPERIENCE

Hilti , Moscow, Russia	<i>2019 August - September</i>
Junior Developer	
Created an interactive web application to help to collect, store, and present data. My task was to develop a working prototype with a comfortable design for further promotion of this project. The backend is developed with the web framework ASP.NET Core. The frontend is designed with the help of HTML, CSS, JavaScript.	

PROJECTS

Feature selection research	<i>2020 April - Present</i>
The work is carried out in a team of 3 people as part of the A.M.Katrutsa optimization methods course . The goal was to study greedy algorithms and evaluate their performance using the theory of submodular functions. As the result of the research, the scientific article is written.	
Shell-like extensions	<i>2018 September - November</i>
<ul style="list-style-type: none">· ls, cp command implementation· Piping the result of one process to another, semaphores	
Mathematical modelling of the heat conduction process	<i>2018 November - December</i>
<ul style="list-style-type: none">· Piping the result of one process to another, semaphores· Distributed computing. MPI, OpenMP, pthread.h	

RELEVANT COURSES

Mathematical Courses	Computer Science and other
Stochastic Processes	Data Science in consulting by McKinsey
Probability Theory	Computer vision course by Huawei
Linear Algebra	Relational Database Architecture
Abstract Algebra	Algorithms and Data Structures
Lebesgue Measure	Asynchronous Programming
Combinatorics	Automata Theory
Differential Equations	Operating Systems
Analytical Mechanics	Algorithms and Computation Models

SKILLS

Programming Languages	C/C++ (3/5), Python (3/5), C#(3/5), SQL (3/5)
Frameworks	PyTorch (3/5), Numpy (3/5), Matplotlib (3/5)
Software & Tools	LaTeX, Git, Jupyter, Bash, Linux, PowerPoint, Excel
Languages	Upper-Intermediate English, Native Russian
Soft skills	Logical thinking, analytically minded, leadership experience