ARKHIPOV ALEKSANDR

arkhipov.ai@phystech.edu, +7(926)-709-27-55, https://github.com/ArchieAlexArkhipov
Moscow, Russia

EDUCATION

Moscow Institute of Physics and Technology, Dolgoprudny, Russia — *2017 - 2021*
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 — *2015 - 2017*
Top tier Physics & Math's Russian lyceum — GPA: 4.7/5

WORK EXPERIENCE

Hilti, Moscow, Russia — *2019 August - September*
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 5, CSS, JavaScript.

PROJECTS

Feature selection research — 2020 April - Present

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 — 2018 September - November

- ls, cp command implementation
- Piping the result of one process to another, semaphores

Mathematical modelling of the heat conduction process — 2018 November - December

- Piping the result of one process to another, semaphores
- Distributed computing. MPI, OpenMP, pthread.h

RELEVANT COURSES

Mathematical Courses
Stochastic Processes
Probability Theory
Linear Algebra
Abstract Algebra
Lebesgue Measure
Combinatorics
Differential Equations
Analytical Mechanics

Computer Science and other
Data Science in consulting by McKinsey
Computer vision course by Huawei
Relational Database Architecture
Algorithms and Data Structures
Asynchronous Programming
Automata Theory
Operating Systems
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, Jupiter, Bash, Linux, PowerPoint, Excel
Languages	Upper-Intermediate English, Native Russian
Soft skills	Logical thinking, analytically minded, leadership experience