MAXIM ZUBKOV

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Moscow, Russia

EDUCATION

Moscow Institute of Physics and Technology   *2017 - 2021*
Bachelor   Overall GPA: 8.0/10
Department of Control and Applied Mathematics

TECHNICAL KNOWLEDGE

Programming Languages	C/C++ (4/5), Python (4/5), SQL (4/5)
Frameworks	Numpy (3/5), Matplotlib (3/5), Pandas (3/5), SciPy (3/5), Requests (3/5)
	BeautifulSoup (2/5), Asyncio (3/5), STL (4/5), PyQt (1/5)
Software & Tools	LaTeX, Git, Bash, Linux, MS Office, Jupiter, Postgres
Soft Skills	Advanced English, Presentation

PROJECTS

Shell-like extensions   September 2018 - October 2018
- ls, cp command implemention
- Piping the result of one process to another
- Posix and sys5 semaphoes

Users behavior analizer   February 2019 - Now
- The main idea is to analize the users behaviour according to his transfers between web-pages
- To calulate the probobilito of current user to transfer from one web-page to another we used Markov Chains with Hidden Sates
- Also we developed Google Chrome extension and launched a server that provide multi-user mode

Clique Problem   March 2019
- Meet In The Middle algorithm
- Branches and Bounds algorithm

Fast Fourier Transform   April 2019
- Implemention of Polynomial class, multiplication, exponentiation using Fast Fourier Transform

Tic-Tac-Toe   April 2019
- Implemention of Tic-Tac-Toe AI using Monte-Carlo Tree Search

Graph Planarity   May 2019 - Now
- Check the graph palanrity using Gamma Algorithm
- Planned for the future to add the graph drawing

RELEVANT COURSES

Mathematical Courses	**Programming and CS Courses**
Calculus	Introduction to Machine Learning ([Coursera](#))
Linear Algebra	Operating Systems
Differential Equations	Object-Oriented Programming in C++
Combinatorics	Relational Database Architecture
Graph Theory	Formal Languages
Abstract Algebra	Algorithms and Data Structures
Lebesgue Measure	Advanced Algorithms and Computation Models
Probobility Theory	Automata Theory
Physics	Python Language ([Coursera](#))
Analytical Mechanics	Asynchronous Programming
Advanced Abstract Algebra and Number Theory	