GULNARA SUNGATULLINA

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EDUCATION

Moscow Institute of Physics and Technology, Russia *Sep 2018 - July 2022*
Bachelor in Applied Mathematics and Computer Science GPA: 4.6/5
Department of Innovation and High Technology
Relevant courses: Algorithms & Data Structures, C++, Computer Architecture & OS fundamentals, Databases, Discrete Analysis, Algebra, Calculus, Probability, Differential Equations, Concurency.
Extra: Deep Learning School (ML basics, Artificial neural networks)

STRENGTHS

Languages	confident in C++(Boost, STL), Python(pytorch, sklearn), C, C#, SQL, familiar with Bash, ARM/x86 Assembly
Technologies	experienced with Git, Linux, PostgreSQL, Jupyter familiar with Docker, Amazon Web Services, Travis CI, Spark
Spoken languages	English - fluent, Russian - native, Tatar - native

WORK EXPERIENCE

Junior Data Scientist *June 2020*
VTB, the second largest bank in Russia *Moscow, Russia*

Developed the model for forecasting cash inflows for a flagship product, which helps to use 2 times less human resources for the bank management.

PROJECTS

HR database (SQL)

- Designed a normalized database and filled it in.
- Created views, triggers, and procedures in order to simplify the work of labor officers.

Telegram Compiler bot (Python)

- Developed a telegram bot, which helps to compile and receive program output via messenger.
- Used REST API of an online compiler site for proper functioning.
- Set up AWS Virtual Machine for maintaining constant work.

Journey to Springfield (Python/pyTorch)

- convolutional classifier to distinguish all Springfield residents from the picture
- 0.96 score on Kaggle

Travelling Salesman Problem (C++)

- Implemented 3/2-approximate algorithm for metric Travelling Salesman Problem.

RPG game (C#/Visual Studio)

- Designed and created an RPG game with simple graphical interface.
- Used design patterns to improve project structure.

ACTIVITIES

National Technological Initiative Olympiad | Unmanned aircraft systems *March 2018*
first in the team competition, individual prize-winner *Moscow, Russia*

- Simulated and programmed(C++) a mathematical model of airplane flight.
- Launched an airplane model and reached 5% deviation from the perfect flight path.
- Beat 9 other teams by a landslide.

Olympiad of MIPT | Mathematics - *first degree diploma* *Feb 2018*

Hach&Change hackathon - *participant* *March 2020*

- Solved the problem of optimal placing self-pickup points using Voronoi diagram and ML algorithms.