

Sergei Bogdanov

LinkedIn : <https://www.linkedin.com/in/svbogdanov/>
Github : <https://github.com/Serega6678>

bogdanov.sv@phystech.edu
+7 (966) 139-06-24

EDUCATION	<p>Moscow Institute of Physics and Technology, Dolgoprudny Department of Innovations and High Technology <i>Bachelor of Applied Mathematics and Computer Science</i> September 2018 - August 2022. GPA: 7.93/10.00 <i>Data Analysis Department by Yandex</i> <i>Student of Advanced Deep Learning and Advanced Algorithms classes</i></p>
TECHNICAL SKILLS	<p>Languages : Python, C++, C Database : PostgreSQL Tools/Framework : Hadoop, Pytorch, SkLearn, NumPy, Pandas, Matplotlib, collections, functools, Torch Geometric, SciPy, Seaborn, Wandb General : Advanced Algorithms and Data Structures, Object Oriented Programming, Concurrency, Machine Learning and NLP</p>
WORK EXPERIENCE	<p>JetBrains Software engineer + NLP researcher July - early September</p> <ul style="list-style-type: none">Created efficient data preprocessing pipeling with Python and SQLDeveloped vertex classification system which covers more than 98% of all possible cases with extremely low memory usage. My algorithm is 8 times more memory-efficient than simple greedy approach and shows 10% better coverage on bigger dictionary sizes.Used classical NLP methods and Graph Convolutional Neural Networks for method name generation task. My best result is 5% better than Code2Vec model and comparable to Code2Seq model with disabled Attention (my model didn't have an attention mechanism too)Used classical NLP methods and Graph Convolutional Neural Networks for Code-SearchNet task. Top-20% out of all participants.
FAVORITE PROJECTS	<p>Currency exchange rate bot May 2019</p> <p>Telegram bot, which can send currency exchange rates, provided with the database (to make calculations easier) and exchange rate visualizer.</p> <ul style="list-style-type: none">Technology/Tools: Python, SQLite3, TeleBot, Matplotlib and SciPy.Link : https://github.com/Serega6678/Python/tree/master/PythonCodeReview2-master <p>Laptop Manufacturer's Database May 2019</p> <p>Database with efficiently implemented methods. Database allows it's users to find Laptop distributors, compare different parts with each other, get information about part's vendors and much more.</p> <ul style="list-style-type: none">Technology/Tools: PostgreSQLLink : https://github.com/Serega6678/Databases-postgreSQL
Olympiads	<ul style="list-style-type: none">BMSTU Informatics Olympiad <i>Absolute winner</i>.ITMO Informatics Olympiad <i>Awardee</i>. Top-3%Moscow State University Math Olympiad <i>Awardee</i>. Top-5%All Russian Informatics Olympiad Top-5%Moscow State University Informatics Olympiad Top-6%
OTHER PROJECTS & HYPERLINKS	<ul style="list-style-type: none">C++ single player game (programming patterns utilization)C++ advanced algorithms implementation