

Fedor Kurmazov

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EDUCATION

Saint-Petersburg State University of Economics

- Master's degree in Applied Mathematics and Informatics 2020 – 2022
 - Majoring in mathematical and computer modeling in economics and management

- Bachelor's degree in Economics 2016 – 2020
 - Majoring in mathematical methods in economics

Computer Science Center

- Majoring in computer science and software engineering 2019 – 2022

WORK EXPERIENCE

- «Gazprom Neft», intern in business planning management department 2020
 - QlikView application development

OTHER WORK EXPERIENCE

- Development of Wolfram Language package for solving Steiner tree problem in graphs: 2021
 - Dynamic programming (Dreyfus-Wagner)
 - Approximation algorithms (Kou-Markowsky-Berman, Mehlhorn)
 - Local-search algorithms (Vertex insertion, Vertex elimination, Key-path exchange)
- Network flow problems solving on European Gas Market infrastructure graph: 2019 – 2020
 - Study of the European gas market modern structure
 - Collection and processing of data on market operators
 - Building a graph of the European gas market infrastructure
 - Analysis of the significance of links between market operators
 - Finding robust, system-optimal gas flows
- Study and implementation of algorithms for solving the traveling salesman problem (TSP): 2018 – 2019
 - Integer programming (Dantzig, Miller)
 - Greedy algorithms (Nearest neighbour, Multi-fragment)
 - Stochastic algorithms (Ant Colony Optimization)
 - Local-search algorithms (k-opt, Lin-Kernighan)

ACHIEVEMENTS

- «Higher League» – olympiad of students and graduates in applied mathematics and informatics 2021
 - Diploma of the II degree for individual competition
- 7-th North Countries Universities Mathematical Competition 2021
 - Diploma of the II degree for individual competition
- Regional Student Mathematical Olympiad of St. Petersburg 2019
 - Diploma of the I degree for individual and team competition
- 6-th North Countries Universities Mathematical Competition 2019
 - Diploma of the II degree for individual competition
- IX International Student Olympiad in Mathematics 2018
 - 1st place in the nomination “Economic Sciences, 3-5 courses and undergraduates”
- Superfinal of the Internet Olympiad in mathematics (Ariel, Israel) 2018
 - Diploma of the III degree for individual competition

AWARDS

- Scholarship of the Bank “Viking” 2019
- Scholarship of the President of the Russian Federation 2019
- Scholarship of the Government of the Russian Federation 2018

SKILLS & ABILITIES

- Wolfram Mathematica, Python (NumPy, Pandas, и др.), Git, MS Excel, Haskell, Julia, QlikView, SQL, \LaTeX , Anylogic

LANGUAGES

- English, Russian