MARK KONOV

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EDUCATION

Lomonosov Moscow State University (MSU)　　　　　　2018 – Present
Faculty of Mechanics and Mathematics　　　　　　　　(current - 4rd year of studies)
Theses on computer geometry and geometric modeling

PROFESSIONAL EXPERIENCE

OctoNus Software Ltd, Moscow　　　　　　　　September 2021 – Present
Specialist, Software Developer
- Geometric Modeling Department
  - Developed an algorithm for finding the main axes of inertia of a solid body and introduced its implementation into a general project for superposition solid polyhedrons
  - Participated in the development and improvement of the polyhedron class and the class of solid transformations
  - Implemented solutions to the problems of finding the center of mass of a solid body, superposition of plane polygons and solid polyhedrons

　　　　　　　　　　　　　　　　　　　September 2020 – March 2021

Severstal, Moscow
Specialist, Project Management of Controlling
- Development of new products and work with up-to-date data
  - Updated databases of company's innovative projects and created automated dashboards
  - Worked with analytical data, Excel, Jira, Confluence, SAP Analytics Cloud
- Development and optimization of models, implementation of mathematical methods
  - Proposed and implemented an innovative model for ranking projects of the company's investment program in the amount of $ 1.5 billion
  - Developed a model for the preliminary assessment of R&D projects
  - Created a mathematical model for predicting Severstal ESG indicators using the methodology of the international rating MSCI

LANGUAGES

Russian (native), English (fluent), German (basic), Arabic (basic)

EXTRACURRICULAR ACTIVITIES

- Course on the theoretical foundations of neural networks at MSU　　February 2021 - Present
- MSU Student Olympiad in Differential Equations, 3rd place　　　　　April 2020
- Course in computer geometry in Wolfram Mathematics, MSU　　　February – May 2020
- Tinkoff course on industry analytics and advertising technology, MSU　September – December 2019
- MIPT Olympiad in mathematics, 1st place　　　　　　　　　　　March 2018
- Finalist of the All-Russian Olympiad for schoolchildren in physics in Kazan　March 2017
- ROSATOM and MSU Olympiads in mathematics, 1st place　　　　March 2016, 2017

PROFESSIONAL SKILLS

- Confident knowledge and use of the C++ at work and in studies
- Use of Python in studies (statistics and machine learning)
- Confident knowledge and use of the Wolfram Mathematics at work and in studies
- Frequent use of LaTeX
- Portfolio link: https://github.com/vkonov2 (not up-to-date)

HOBBIES

- World Karate Championships in Cluj-Napoca, Romania, 1st place　　September 2021
- European Karate Championships in Odense, Denmark, 1st place　　October 2019
- World Karate Championships in Bratislava, Slovakia, , 1st place　　June 2019
- Master of Sports of Russia in karate　　　　　　　　　　　　since 2018
- Music school, brass department, specialization saxophone　　　2007 - 2018