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## Education

2016 – Pres. **Moscow Institute of Physics and Technology**, Bachelor student, 3rd year.

Department of Control and Applied Mathematics

Field of study: Applied Mathematics and Physics

Specialisation: Data Analysis, Institute for Information Transmission Problems

Supervisor: Alexey Zaytsev, PhD, IITP RAS, Scoltech

GPA: 4.61/5.00

Main courses:

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|------------------------------|---------------------------------|
| o Machine Learning           | o Linear and Abstract Algebra   |
| o Optimization Methods       | o Probability Theory            |
| o Computational Mathematics  | o Algorithms, Discrete Analysis |
| o Functional Analysis        | o CS, Database Design           |
| o Stochastic Processes       | o General Physics               |
| o Calculus, Complex Analysis | o Theoretical physics           |

- Online Courses:
- o Mathematics and Python for Data Analysis (by Yandex and MIPT in Coursera)  
*[Link to certificate](#)*
  - o Supervised Learning (by Yandex and MIPT in Coursera)  
*[Link to certificate](#)*
  - o Unsupervised Learning (by Yandex and MIPT in Coursera)  
*[Link to certificate](#)*

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## Projects & Practical Experience

Feb.-Apr. 2019 **Minimax covariance function.**

Supervisor: Alexey Zaytsev, PhD, IITP RAS, Scoltech

The problem of approximation of smooth processes and functions by Gaussian stochastic processes was solved. The minimax covariance function was found that was used in the regression model.

Apr. 2018 **Solving the regression problem using the method of smoothing splines.**

The algorithm for finding smoothing splines for the optimal time compared to direct implementation was created and implemented

2016 - 2019 **Laboratory work in physics.**

Approximately 40 educational practical laboratory works in mechanics, thermodynamics, electromagnetism, optics and quantum physics in MIPT laboratories

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## Technical skills

Programming PYTHON, C

Scientific Libraries NumPy, SciPy, pandas, matplotlib, scikit-learn, GPy, XGBoost

Professional software L<sup>A</sup>T<sub>E</sub>X, Github

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## Languages

English B2

Russian Native

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## Hobbies & Extra Activities

- Skiing, Running
- Curator responsible for first year students