

# Mikhail Surtsukov

## Curriculum Vitae

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### Education

- 2011–2016 **Bachelor**, *MIPT*, Moscow, Applied Mathematics and Informatics.  
Department of Nano-, Bio-, Information Technology and Cognitive Science, 4.54 GPA
- 2016 **CFA Level 1 Passed**, *CFA Institute*.

### Bachelor thesis

- title *Study of applicability of classification methods to the problem of controlling mobile robots in dynamic environments*
- supervisor Karpov V. E., Ph.D., Head of the Robotics Laboratory in Kurchatov Institute

### Experience

- 2017-2018 **Co-Founder, Data Scientist**, *SurCore*.
- Summer 2017 **Deep Learning Researcher**, *MIPT, DeepHack Laboratory*.
- Author of the successful series of articles on the topic of Deep Learning, <https://habr.com/users/iphysic/posts/>
- 2014-2016 **Research assistant**, *NRC Kurchatov Institute, Robotics Laboratory*, Moscow.
- 4-th place in the AirRace competition of international championship of autonomous, mobile robots

### Additional Education

- 2017-2018 **Pattern Recognition and Machine Learning**, *Bishop C.*, Bayesian ML advanced textbook, Completed with proposed exercises.
- 2018 **Bayesian Methods for Machine Learning**, *Higher School of Economics*, Coursera.org, **Final Grade: 100.0% with Honors**.
- 2018 **Practical Reinforcement Learning**, *Higher School of Economics*, Coursera.org, **Final Grade: 99.2% with Honors**.
- 2018 **Probabilistic Graphical Models**, *Stanford University*, 3-course specialization on Coursera.org, **Final Grade: 99.0%**.
- 2017 **Summer school on Deep Learning and Bayesian Methods**, *Higher School of Economics*, Bayesian Methods Research Group.
- 2017 **Natural Language Processing course**, *MIPT*, DeepHack Laboratory.
- 2016 **Machine Learning and Data Analysis Specialization**, *MIPT and Yandex*, 6-course specialization on Coursera.org, Capstone Project - **Final Grade: 100.0%**.
- 2014 **Machine Learning**, *Stanford University*, Coursera.org, **Final Grade: 98.7%**.

## Languages

English **Advanced**

## Programming and Computer skills

Python Scipy stack, scikit-learn, cython, etc  
Deep Learning PyTorch, Tensorflow, Keras, Pyro  
Web Django, CSS, HTML  
Robotics ROS, Gazebo  
Other git, docker, SQL, C/C++, Objective-C

## Human Qualities

- Reliable
- Prone to deep self-study tasks and finding solutions
- Self-motivated and able to take initiative
- Teamwork skills
- Willing to learn

## Professional Interests

- Machine Learning and AI
- Deep Learning, Reinforcement Learning, Deep Generative Models
- Finance
- Quantum Computing
- Cryptocurrency and blockchain
- Business administration
- New technologies

## Hobbies

Physics Passion to know how the world works  
Snowboarding 8 years of practice  
Windsurfing 4 years of practice  
Mountaineering 2 years of practice  
Guitar 3 years of practice

## Extra

- 2014 One of the authors of iOS application **Uddo** for learning Russian words' stresses
- 2011 Have the diploma of the winner of first-level physics competition between high school students by MIPT
- 2011 Honors graduate of Correspondence Physical and Technical School by MIPT