

# KOTELNIKOV ILYA

+7 905 350 60 14

ilyaktkov@yandex.ru

## EDUCATION

---

### Moscow State University, Russia

2016 - 2020

Bachelor degree in Computational Mathematics and Cybernetics,  
Laboratory of Mathematical Physics, Moscow, Russia.

Relevant courses:

- Probability theory
- Discrete mathematics
- Linear algebra
- Mathematical methods of image processing
- Operating systems
- Object-Oriented Programming

### Technosphere by Mail.ru

2019

Further education program for IT specialists.

Relevant courses:

- Introduction to Data Analysis
- Algorithms for intelligent processing of large amounts of data
- Advanced C / C ++ Programming

### Natural Language Processing by Huawei

Spring 2020

Continuing education courses.

Certificate: <https://stepik.org/cert/366499>

### Moscow State University, Russia

2020 - Present

Master student in Computational Mathematics and Cybernetics,  
Laboratory of Mathematical Physics, Moscow, Russia.

## WORK EXPERIENCE

---

### Basetrack, Moscow

June 2019 - October 2019

Junior programmer/CV researcher.

Writing a backend and applying computer vision algorithms for self-driving car.

### Huawei Russian Research Institute, Moscow

October 2019 - Present

Detection/tracking objects on video.

Spark/scala, C++ algorithm acceleration.

## TECHNICAL SKILLS

---

Programming Languages - Python, C, C++, Scala, C#, NASM

Applications - Git, Jupyter Notebooks

Frameworks and libraries - NumPy, Pandas, Scikit-learn, Matplotlib, OpenCV, OpenGL,  
pyTorch, Tensorflow, Spark etc.

Languages - Russian, English (Intermediate)

## INTERESTS

---

Big Data  
Machine Learning  
Programming

## ARTICLES

---

”Clustering learners’ essays on the basis of key words” - Ilya Kotelnikov, Anna Scherbakova

2020