

# EGOR KONYAGIN

## Software Engineer

✉ Egor.Konyagin@skoltech.ru

📍 Moscow, Russia

🌐 <https://github.com/ekonyagin/>

## INDUSTRIAL EXPERIENCE

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### Software Engineer

#### Center of open systems

📅 Jul 2018 – Present

📍 Moscow, Russia

Solving multiple computer vision problems, including:

- development of intelligent video analysis for behavior prediction
- development of infrastructure for city surveillance video cameras
- development of a system for automatic warehouse monitoring (task is to measure the size of delivered items such as boxes or bundles of goods)
- development of video surveillance system for baggage handling system in Moscow SVO airport

### Teacher

#### Netology IT School

📅 2020

📍 Moscow, Russia

Co-instructor:

- Fundamentals of computer vision

## EDUCATION

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### MSc in Information Science & Technology

#### Skolkovo Institute of Science and Technology (Skoltech)

📅 Sep 2019 – Present

### BSc of applied maths & physics

#### Moscow Institute of Physics & Technology (MIPT)

📅 Sep 2015 – Aug 2019

Extracurricular:

- nvidia DLI workshop with assessment, Munich 2018
- nvidia DLI seminars, San Jose 2019
- coursera Deep Learning course by Andrew Ng, 2018

## PUBLICATIONS

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- E. Konyagin, N.Fokin Boxes size measurement on the basis of real time video stream processing (MIPT 2019)
- A. Khelvas et al. Adaptive distributed video surveillance system (IEEE EnT 2019)
- A. Khelvas, A. Gilya-Zetinov, E.Konyagin et al. Improved 2D Human Pose Tracking Using Optical Flow Analysis (SAI Conference 2020, Springer)

## SKILLS

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- Strong mathematical background. Calculus, numerical linear algebra, differential equations.
- Deep Learning: CNNs, RNNs. PyTorch, TensorFlow, Darknet.
- Python, C/C++, CUDA C
- Data analysis: Pandas, NumPy, scikit-learn, xgboost
- Web-development: Flask, JS, HTML
- Languages: Russian, English, German

## TEACHING

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- Course instructor: *Fundamentals of deep learning and Neural networks*. MIPT, 2019-2020

## HACKATHONS

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- IBM Hyperledger. Moscow 2018 awardee
- Phystech Genesis CV Hackathon. Moscow 2019 awardee

## HOBBIES

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- conducted multiple mountain climbing in south Russia, particularly in Caucasus mountains (up to 10 000 feet high)
- conducted 450 miles-long bicycle hiking tour from New York City to Niagara Falls (Aug 2019)
- studied foreign languages (German, Spanish)
- organized multiple times event called UN model (a role game for political education for high school students)