

# VSEVOLOD KONYAKHIN

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## EDUCATION

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### National Research University ITMO

September 2018 - Present

Bachelor of Computer Science & Engineering

GPA: 4.3/5.0

**Courses:** *Algorithms & Data Structures, Calculus, Linear Algebra, Discrete Math, Object-Oriented Programming, Computer Architecture, Programming Technologies, Database, Operating Systems, Computer Graphics, Physics*

### Computer Science Center (JetBrains, Yandex School of Data Analysis)

September 2019 - Present

Three-year Degree [Program](#) in Data Science and Software Engineering

**Courses:** *Asymptotic Analysis & Probability Theory, Mathematical Statistics, Algorithms & Data Structures, Python Programming, Machine Learning, Deep Learning at YSDA, Self-Driving Cars at YSDA*

### Lyceum Physical-Technical High School (PTHS)

September 2015 - June 2018

High [school](#) degree (In-depth study of Mathematics, Physics, Computer Science, English)

GPA: 4.5/5.0

## SKILLS

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### Programming

Python, C++, Java, PyTorch, TensorFlow, NumPy, Pandas, OpenCV, SciPy

### Technologies

OOP, SQL, Git VCS, Linux, Docker, LaTeX

### Languages

English (Fluent), Russian (Native), German (Beginner)

## EXPERIENCE

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### Deep Learning Group at JetBrains Research

February 2020 - Present

#### *Research Intern*

*St. Petersburg, Russia*

- Working on a deep-learning siamese-based model to take part in the upcoming visual object tracking challenge.

### 3D4Medical, Elseveir

July 2019 - January 2020

#### *Machine Learning Engineer at RnD Department*

*St. Petersburg, Russia*

- Developed deep-learning-based models for image classification, semantic segmentation, object detection using state-of-the-art algorithms in Computer Vision. Experienced building, training and deploying deep neural networks both to the cloud and mobile devices; collected and manipulated big datasets with crowdsourcing platforms.

## PROJECTS

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### EfficientDet PyTorch Implementation ([repo](#), 8 stars, 1 fork)

April 2020

Implemented object detection model EfficientDet that reproduces results from the [paper](#), **first** in the community.

### Handwritten Digits Recognition iOS app ([repo](#), 16 stars, 3 forks)

July 2019

Built a simple CNN for handwritten digits recognition and ported it to iOS devices using TensorFlow Lite.

## EVENTS

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### Machine Learning [Hackathon](#), Prize Winner

March 2020

Prize winner in 'Voice Processing' track with an English Speech real-time accent changer project.

### JetBrains Research Machine Learning Seminar

April 2020

Gave a talk reviewing latest papers on state-of-the-art real-time object detection.

### Joint Advanced Student [School](#) 2019

March 2019

Worked in an international team developing a medical iOS app for Zeiss in a short-time period.

*Munich, Germany*

### Winter mini-degree [program](#) in STEM (JetBrains, MIT)

January 2019

Built a shortest-path search and obstacles-handling algorithm for the Duckietown self-driving bot.