

# VSEVOLOD KONYAKHIN

MACHINE LEARNING ENGINEER/RESEARCHER — KAGGLE COMPETITIONS EXPERT

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## EDUCATION

### National Research University ITMO

September 2018 - Present

Bachelor of Computer Science & Engineering

GPA: 4.5/5.0

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

### 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, Advanced Python, Machine Learning, Deep Learning at YSDA (Advanced Track)*

### 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

<b>Programming Technologies</b>	Python, C++, Java, PyTorch, TensorFlow, NumPy, Pandas, OpenCV, SciPy
<b>Languages</b>	OOP, SQL, Git, Bash, Linux, Docker, $\text{\LaTeX}$
	English (Fluent), Russian (Native), German (Beginner)

## EXPERIENCE

### JetBrains Research, Deep Learning Group

February 2020 - June 2020

*Research Intern*

*St. Petersburg, Russia*

- Researched and implemented novel methods for Visual Object Tracking based on Siamese Deep networks

### 3D4Medical, Elseveir

July 2019 - January 2020

*Machine Learning Engineer at RnD Department*

*St. Petersburg, Russia*

- Was responsible for the entire ML cycle as an **only** ML Engineer, **Computer Vision** and **Medical Imaging** tasks

## PROJECTS

### EfficientDet PyTorch Implementation ([repo](#), 13 stars, 2 forks)

April 2020

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

### Handwritten Digits Recognition iOS app ([repo](#), 18 stars, 3 forks)

July 2019

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

## ACHIEVEMENTS

### Kaggle Competitions [Expert](#)

May 2020 - Present

- Prostate cANcer graDe Assessment [Challenge](#), Silver medal, 13/1010, Top 2%, [repo](#)
- Abstraction and Reasoning [Challenge](#), Bronze Medal, 72/914, Top 8%

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

March 2020

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

## EVENTS

### Eastern European Machine Learning Summer [School](#) by DeepMind

July 2020

Selected to attend EEML 2020 and was chosen to present my submitted project as a poster

*Krakow, Poland*

### 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