VSEVOLOD KONYAKHIN

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EDUCATION

National Research University ITMO *September 2018 - Present*
Bachelor of Computer Science & Engineering GPA: 4.3/5.0
***C*ourses:** *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
***C*ourses:** *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

Programming	Python, C++, Java, PyTorch, TensorFlow, NumPy, Pandas, OpenCV, SciPy
Technologies	OOP, SQL, Git, Bash, Linux, Docker, LaTeX
Languages	English (Fluent), Russian (Native), German (Beginner)

EXPERIENCE

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

EfficientDet PyTorch Implementation (repo, 9 stars, 1 fork) *April 2020*
Implemented object detection model EfficientDet that reproduces results from the paper, ***f*irst** 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

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.