Vsevolod Konyakhin

St. Petersburg, Russia

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Education

ITMO University — *St. Petersburg, Russia*
2nd-year computer science & engineering student (BSc in Programming & Internet Technologies) — September 2018 - Present
Courses: Algorithms & Data Structures, Calculus, Linear Algebra, Discrete Math, Object-Oriented Programming, Computer Architecture, Programming in C++, Database, Operating Systems, Computer Graphics, Physics

GPA: 4.3/5.0

Computer Science Center (JetBrains, Yandex) — *St. Petersburg, Russia*
Three-year Degree Program in Data Science and Software Engineering — September 2019 - Present
Courses: Asymptotic Analysis & Probability Theory, Mathematical Statistics, Python Programming, Machine Learning, Deep Learning at YSDA, , Algorithms & Data Structures

Lyceum "Physical-Technical High School" (PTHS) — *St. Petersburg, Russia*
High school degree (In-depth study of Mathematics, Physics, Computer Science, English) — September 2015 - June 2018
GPA: 4.5/5.0

Skills

Programming	Python, Swift, C++, Java, TensorFlow, PyTorch, Numpy, Pandas, OpenCV, Scikit-learn
Technologies	OOP, SQL, Git VCS, Unix/Linux, Docker
Languages	English (Fluent), Russian (Native), German (Beginner)

Experience

JetBrains Research, Research Project — *St. Petersburg, Russia*
February 2020 - Present

- Technologies: Python, PyTorch, Git
- Working in a research team developing a computer vision deep-learning siamese-based model to take part in the upcoming visual object tracking challenge.

3D4Medical, RELX Group — *St. Petersburg, Russia*
Machine Learning Engineer at RnD Department
July 2019 -February 2020

- Technologies: Python, TensorFlow, TensorFlow Lite, PyTorch, Swift, Git, CUDA, C++
- Developing deep-learning-based models for image classification, semantic segmentation, object detection using state-of-the-art algorithms in Computer Vision; turning recent papers into code with TensorFlow and PyTorch. Experienced in building, training and deploying deep neural networks both to the cloud and mobile devices; collecting and manipulating big datasets with crowdsourcing platforms, writing data pipelines.

Joint Advances Student School 2019 — *Munich, Germany*
iOS Developer for Zeiss Medical
March 2019

- Technologies: Swift, iOS, UIKit, ARKit, Core Data, Git, Agile, Scrum
- Developed a medical iOS app in a short-time period. The project is considered promising so it is under strict NDA.

Winter mini-degree program in STEM (JetBrains, MIT) — *St. Petersburg, Russia*
January 2019

- Technologies: Python, ROS, OpenCV
- Built a shortest-path search and obstacles-handling algorithm for the self-driving bot in "Duckietown".

Peter The Great Polytechnic University, Research Project — *St. Petersburg, Russia*
December 2017 - April 2018

- Technologies: C++, V-REP
- Implemented a robot with a unique walking system. Built its simulation in V-REP, connected V-REP and the real robot to run walking algorithms simultaneously. The robot is patented.