











# Alexander Smirnov

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## Languages

-  Russian
-  English

## Working Experience

- 08.2019 – 12.2019 **Machine learning intern** JetBrains  
Predict core properties (type, carbonate, ruin, saturation) using core samples images.
- 07.2019 – 08.2019 **Machine learning intern** Belkasoft  
Collect data and train algorithm to find pictures that contain circles and arrows on them.

## Education

### Study

- 2017 – now **Bachelor Studies** Saint Petersburg State University  
Software and Administration of Information Systems, Department of Information and Analytical Systems.  
**Coursework Theses** Department of Information and Analytical Systems.  
Automatic core samples classification.
- 2014 – 2017 **Secondary education** Physics and Mathematics Lyceum No. 239


### Online courses

- 2020 – now **Programming in C++** Computer Science Center  
Main concepts of C++.
- 2019 – now **Training on labeled data** MIPT  
Supervised learning models: linear models, decision trees, models composition.
- 2020 **Linux Fundamentals** Paul Cobbaut  
Introduction to using Linux from the command line.
- 2020 **Web development for beginners** ITC  
Basics of web development.
- 2019 **Mathematics and python for data analysis** MIPT  
Refresh mathematics knowledge applied in data analysis and review python libraries that are related.
- 2019 **Introduction to TensorFlow** deeplearning.ai  
Examples of how to work with TensorFlow library.

### Offline courses


- 2016 **Student STAR Program-Russia CoE track** EMC  
Project management course.
- 2015 – 2016 **Samsung IT School** Samsung  
Android development course.

## Skills

 Linux 

▶ Arch, i3


▶ Vim, Bash

 Python 


▶ NumPy, SciPy, Matplotlib

▶ Scikit-learn, Tensorflow

▶ Jupyter Notebook


 Java 

▶ Android development

 .NET 

▶ C#

▶ F#


 Machine learning 

▶ Data collection

▶ Data visualization

▶ EDA


▶ Performance metrics


 Web development 

▶ HTML, CSS, JS, PHP

▶ JQ, AJAX, Bootstrap

▶ MySQL

 Multi-agent system

 C++

## Projects

- 2019

**Emoji communicator**  
Visualizing text with emoji letters.
- 2019

**Siamese Neural Networks**  
Implementation of siamese network for one-shot learning task.
- 2019

**Classifying browser extension**  
Browser extension that allows you to classify site if it is suitable for children to watch.
- 2018 – 2019

**Android meme application**  
An android app that show memes depending on your preferences.
- 2018 – 2019

**Custom file manager**  
It illustrates a bunch of programming patterns and optimization techniques.

## Achievements

- 2018

**Made it to finals**  
The goal was to make an entertaining app.

VK Hackathon
- 2019

**Took 2nd place**  
The goal was to make a program that help user to express themselves in chats.

PhotoLab PhotoHack