











# Alexander Smirnov

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## Languages

-  Russian
-  English

## Working Experience

- 08.2020 – **Recommender systems engineer** IT Service, startup  
now Creating and evaluating news & videos recommender systems.

## Internships

- 08.2019 – **Machine learning intern** JetBrains  
12.2019 Predict core properties (type, carbonate, ruin, saturation) using core samples images.
- 07.2019 – **Machine learning intern** Belkasoft  
08.2019 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

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## Skills

	Linux	<div><div></div><div></div><div></div><div></div></div>
	▶ Arch, i3	
	▶ vim, zsh	
	Python	<div><div></div><div></div><div></div><div></div></div>
	▶ NumPy, SciPy, Matplotlib	
	▶ Scikit-learn, Tensorflow	
	Data science	<div><div></div><div></div><div></div><div></div></div>
	▶ Recommender systems	
	▶ Data collection	
	▶ Data visualization	
	▶ EDA	
	▶ Performance metrics	
	Web development	<div><div></div><div></div><div></div><div></div></div>
	▶ HTML, CSS, JS, PHP	
	▶ JQ, AJAX, Bootstrap	
	▶ MySQL	
	Java	<div><div></div><div></div><div></div><div></div></div>
	▶ Android development	
	.NET	<div><div></div><div></div><div></div><div></div></div>
	▶ C#	
	▶ F#	
	Multi-agent system	<div><div></div><div></div><div></div><div></div></div>
	C++	<div><div></div><div></div><div></div><div></div></div>

## Education

### Online courses

2020 – now	<b>Introduction to Recommender Systems</b>	University of Minnesota
	Non-Personalized and Content-Based recommenders.	
2020 – now	<b>Algorithms. Theory and practice. Methods</b>	Computer Science Center
	Algorithms introduction.	
2020 – now	<b>Programming in C++</b>	Computer Science Center
	Main concepts of C++.	
2019 – now	<b>Training on labeled data</b>	MIPT
	Supervised learning models: linear models, decision trees, models composition.	
2020	<b>Linux Fundamentals</b>	Paul Cobbaut
	Introduction to using Linux from the command line.	
2020	<b>Web development for beginners</b>	ITC
	Basics of web development.	
2019	<b>Mathematics and python for data analysis</b>	MIPT
	Refresh mathematics knowledge applied in data analysis and review python libraries that are related.	
2019	<b>Introduction to TensorFlow</b>	deeplearning.ai
	Examples of how to work with TensorFlow library.	

### Offline courses

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

## Projects

2020	<b>Tetris</b> Terminal tetris game for *nix operating system.
2019	<b>Emoji communicator</b> Visualizing text with emoji letters.
2019	<b>Siamese Neural Networks</b> Implementation of siamese network for one-shot learning task.
2019	<b>Classifying browser extension</b> Browser extension that allows you to classify site if it is suitable for children to watch.
2018 – 2019	<b>Android meme application</b> An android app that show memes depending on your preferences.
2018 – 2019	<b>Custom file manager</b> It illustrates a bunch of programming patterns and optimization techniques.

## Achievements

2019	<b>2nd place</b>	PhotoLab PhotoHack
2018	<b>Finals</b>	VK Hackathon

## Hackathons

2020	<b>TrudHack 2</b> CV parser	Saint Petersburg
2019	<b>Tender Hack.Spb</b> Search algorithm	Saint Petersburg
2019	<b>PhotoLab PhotoHack</b> Program that help users to express themselves in chats	Veliky Novgorod
2019	<b>QuantNet</b> Trading algorithm	Saint Petersburg
2019	<b>SPbU GameJam 2019</b> Game	Saint Petersburg
2018	<b>VK Hackathon</b> Entertaining app	Saint Petersburg