Alexander Smirnov

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✉ Russia, Saint Petersburg

🔗 SmirnovAlexander

@ ru.alexander.smirnov@gmail.com

✈ @furiousteabag

📞 +79119727982

Languages

🇷🇺 Russian ● ● ● ● ●

🇬🇧 English ● ● ● ● ○

Working Experience

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

Internships

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

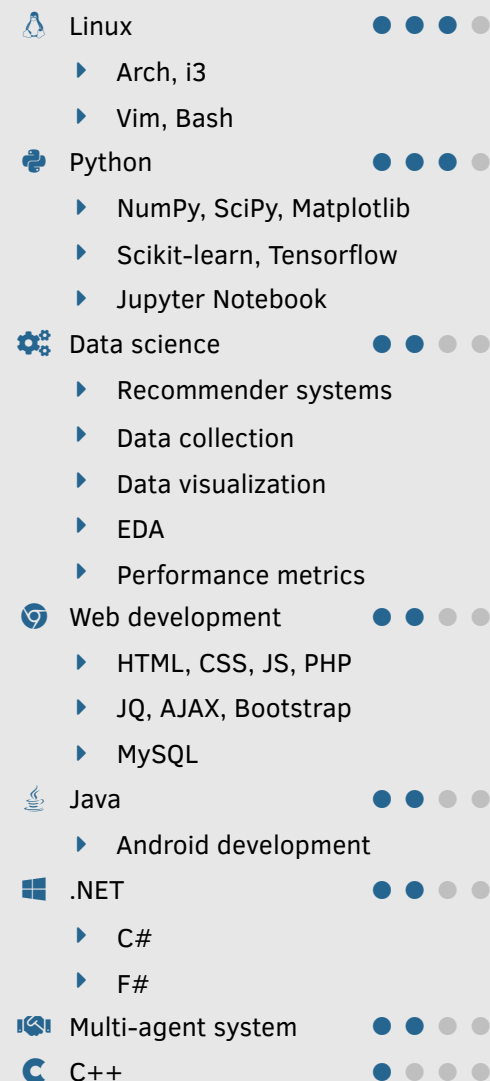| 2017 – now	**Bachelor Studies**	Saint Petersburg State University
	Software and Administration of Information Systems, Department of Information and Analytical Systems.	
	Coursework Theses — Department of Information and Analytical Systems. Automatic core samples classification.	
2014 – 2017	**Secondary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

Online courses

2020 – now	**Introduction to Recommender Systems**	University of Minnesota
	Non-Personalized and Content-Based recommenders.	
2020 – now	**Algorithms. Theory and practice. Methods**	Computer Science Center
	Algorithms introduction.	
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.	

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Skills ————————

⬤ **Linux** ● ● ● ○
  ▸ Arch, i3
  ▸ Vim, Bash

🐍 **Python** ● ● ● ○
  ▸ NumPy, SciPy, Matplotlib
  ▸ Scikit-learn, Tensorflow
  ▸ Jupyter Notebook

⚙ **Data science** ● ● ○ ○
  ▸ Recommender systems
  ▸ Data collection
  ▸ Data visualization
  ▸ EDA
  ▸ Performance metrics

🌐 **Web development** ● ● ○ ○
  ▸ HTML, CSS, JS, PHP
  ▸ JQ, AJAX, Bootstrap
  ▸ MySQL

☕ **Java** ● ● ○ ○
  ▸ Android development

⊞ **.NET** ● ● ○ ○
  ▸ C#
  ▸ F#

Multi-agent system ● ● ○ ○

C++ ● ○ ○ ○

Projects

2020	**Tetris**
	Terminal tetris game for *nix operating system.
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

2019	**Took 2nd place**	PhotoLab PhotoHack
	Program that help users to express themselves in chats.	
2018	**Made it to finals**	VK Hackathon
	The goal was to make an entertaining app.	