Alexander Smirnov

- May 21, 1999
- Russia, Saint Petersburg
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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

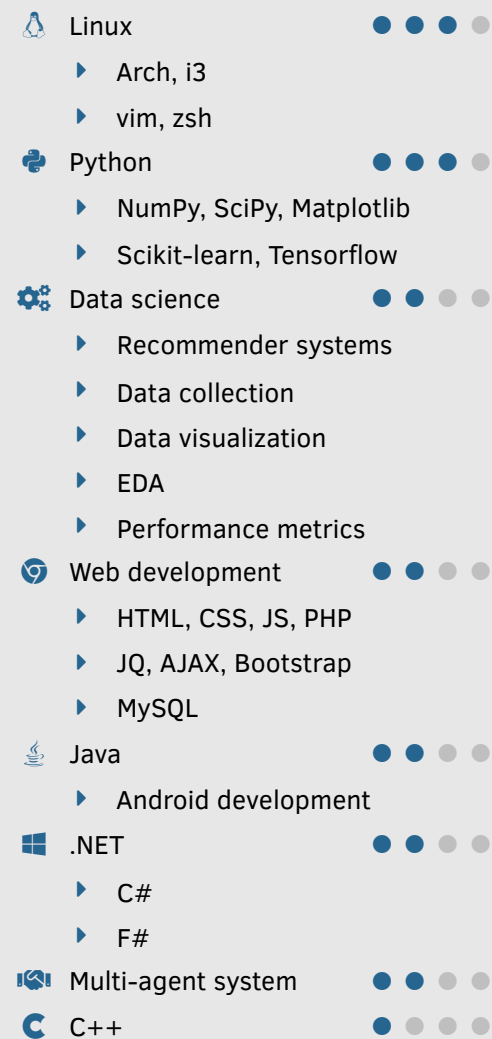| 2017 – now	**Bachelor Studies**	Saint Petersburg State University
	Software and Administration of Information Systems, Department of Information and Analytical Systems.	
	Coursework Theses	Department of Information and Analytical Systems.
	Automatic core samples classification.	
2014 – 2017	**Secondary 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, zsh
- 🐍 Python   ● ● ● ○
  - ▶ NumPy, SciPy, Matplotlib
  - ▶ Scikit-learn, Tensorflow
- ⚙ 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	**2nd place**	PhotoLab PhotoHack
2018	**Finals**	VK Hackathon

Hackathons

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