Alexander Smirnov

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✉ Russia, Saint Petersburg

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Languages ──────

🇷🇺	Russian	● ● ● ● ●
🇬🇧	English	● ● ● ● ○

Working Experience

08.2020 – now	**Recommender systems engineer**	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 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** CV parser	Saint Petersburg
2019	**Tender Hack.Spb** Search algorithm	Saint Petersburg
2019	**PhotoLab PhotoHack** Program that help users to express themselves in chats	Veliky Novgorod
2019	**QuantNet** Trading algorithm	Saint Petersburg
2019	**SPbU GameJam 2019** Game	Saint Petersburg
2018	**VK Hackathon** Entertaining app	Saint Petersburg