Alexander Smirnov

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Languages ──────────

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

Internships

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

Education

Study

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

Online courses

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

Offline courses

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

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Skills ──────────

- 🐧 **Linux** ● ● ● ○
  - ▸ Arch, i3
  - ▸ Vim, Bash
- 🐍 **Python** ● ● ● ○
  - ▸ NumPy, SciPy, Matplotlib
  - ▸ Scikit-learn, Tensorflow
  - ▸ Jupyter Notebook
- ⚙️ **Machine learning** ● ● ○ ○
  - ▸ 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++** ● ○ ○ ○
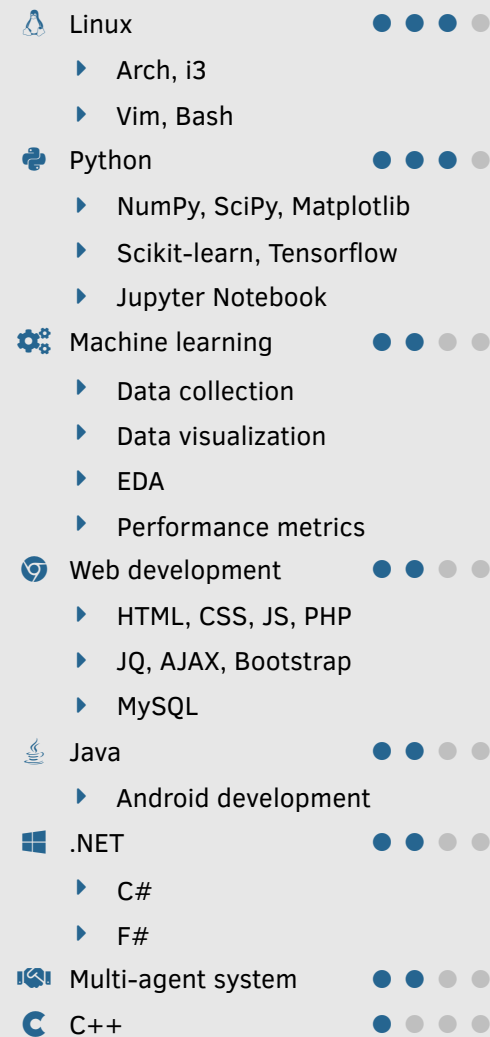
Projects

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
	The goal was to make a program that help user to express themselves in chats.	
2018	**Made it to finals**	VK Hackathon
	The goal was to make an entertaining app.	