

LENA VOLZHINA

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EDUCATION

Saint Petersburg State University

2016 — 2018

Department of Analytical Information Systems

Master's degree with distinction in Computer Science & Engineering

Computer Science Center

2014 — 2017

Modules included (full list here: [\[ru\]](#)):

- Algorithms and Data Structures
- Big Data
- Mathematical Statistics
- Parallel Programming
- C++
- Java
- Python

Saint Petersburg State University

2012 — 2016

Department of Analytical Information Systems

Bachelor's degree in Computer Science & Engineering

EXPERIENCE

Yandex.Weather

September 2017 - present time

Python Developer

- At Yandex.Weather I'm using *machine learning* methods to make weather forecasts. There are large datasets from forecast providers for analysis and processing, so I need to use various *big data* technics such as MapReduce paradigm. The purpose of my work is to improve the quality of daily weather forecast, calculated by technology named Meteum. I also support and develop code that regularly calculates weather forecasts around the world.

Stepik

June 2015 - September 2017

Python Developer

- At Stepik I was involved in various data analysis tasks, mostly related to *content recommendations*. During the first months of work I designed and implemented a simple *rule-based* recommender system for educational content. Later I worked on an *adaptive* recommender system, that uses knowledge graph and psychometric models for the most efficient learning. Also during my time at Stepik I completed many separate backend tasks using Django framework, including but not limited to implementation of data analysis algorithms described above.

TECHNICAL STRENGTHS

Computer Languages

Python (advanced, Django), C++ (medium)

Tools

Git, SQL, MapReduce

More info can be found at

github.com/LenaVolzhina/personal

LANGUAGES

English

Upper Intermediate

Russian

Native Speaker