

# Lena Volzhina

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## SUMMARY

I am a senior data scientist with solid mathematical background and 6+ years of experience. Also, I am a regular speaker [link] and a member of women tech communities.

## EDUCATION

### SAINT PETERSBURG STATE UNIVERSITY

2012 – 2018

Master's degree with honors  
in Computer Science & Engineering

### COMPUTER SCIENCE CENTER

2014 – 2017

Full list of modules is [here], including:  
Algorithms and Data Structures  
Mathematical Statistics  
Big Data  
Parallel Programming  
C++  
Java  
Python

## SKILLS

### TECHNOLOGIES

Python (advanced, Django)  
C++ (basic)  
Machine learning  
Data visualization  
SQL  
Jupyter  
Git  
Scrum  
Docker

### CORE SKILLS

Attention to detail  
Communication  
Documentation  
Mentoring  
Presentation skills

### LANGUAGES

English C1  
Russian Native  
German B1

## EXPERIENCE

### YANDEX.MAPS

#### SENIOR DATA SCIENTIST

2021 – current time

- My task at Yandex.Maps is to personalize search results for map-related queries using the user data.
- Currently, I run a series of experiments from scratch: collect and check training and verification pools, set up the pipelines, check a variety of hypotheses, run offline and online experiments. For that project I collaborate with several teams.
- Most of the infrastructure is written in C++, so I got some production experience, both with development and with complex systems debugging.

### YANDEX.WEATHER

#### DATA SCIENTIST

2017 – 2021

- At Yandex.Weather, I was using machine learning methods to make weather forecasts.
- There were large datasets from forecast providers for analysis and processing, so I needed to use various big data technics such as MapReduce paradigm. The purpose of my work was to improve the quality of daily weather forecasts.
- Mentorship: I have been providing guidance and feedback for two mentees.
- I also supported and developed Python code that regularly calculates weather forecasts around the world.

### EDUCATIONAL PLATFORM STEPIK

#### PYTHON DEVELOPER / DATA ANALYST

2015 – 2017

- At Stepik, I was involved in various data analysis tasks, mostly related to content recommendations.
- I designed and implemented a 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 the Django framework, including but not limited to the implementation of data analysis algorithms described above.