

# ANASTASIYA ZHIPOEDOVA

## Analyst & Machine Learning Engineer

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## EXPERIENCE

Python Developer / Business Analyst

**Institute for System Programming RAN**

Dec 2017 – Ongoing    Russia, Moscow

- (python, scrapy) Parsing data from forms and social networks.
- (mathematical statistics, graph theory) Social networks analysis.
- (analytics) market analysis
- (UML, SQL, GraphQL, UI, UX) create product.

Mathematical Analyst

**MIPT, Laboratory of Applied Structural Optimization & Huawei**

Dec 2018 – Aug 2019    Russia, Moscow

- (Optimization) Non convex optimization problem
- (C++) 5th generation network simulation with ns-3.

Event-Manager

**Student Government, MIPT**

Jan 2015 – Apr 2018    Russia, Moscow

- (Leadership abilities) Realization of actions.
- (Entrepreneurial drive, Organization) The organization of the open day, admission Committee, communication with graduates, organizing of public speaking courses.

Teacher

**Applied Data Science course**

Jan 2017 – Apr 2018    Russia, Moscow

- (Organization) Read courses: "introduction in Python" and "Linear Regression"

## COURSES

**Optimization Methods**

MIPT

Continuous optimization, gradient descent, simplex method.

**Full course of Mathematical Statistics**

MIPT, Stepik

The course of probability theory, random processes, Markov chains, mathematical statistics (linear regression, statistics, Student's distribution).

**Machine Learning**

Coursera

The tasks of classification, regression, deep learning (examples of work are on github)

**Algorithms and Data Structures**

Stepik

Greedy task (backpack problem), various algorithms on graphs (search trees), hash-tables.

**Social Network Analysis**

HSE

Random graphs. Erdos-Renyi random graph model. Epidemic models SI, SIS, SIR. Observational learning and Information cascades.

## EDUCATION

B.S. in Control and Applied Mathematics

**Moscow Institute of Physics and Technology**

August 2015 – July 2019

B.S. in System Programming

**Moscow Institute of Physics and Technology**

August 2019 – Ongoing

## LANGUAGES

Russian

English(upper-int)

Spanish



## INTERESTS

Crawling

Deep Learning

Arduino

Case Championships (IT, ML, economy)

Sports

Social Activities(organization of event, teaching)

## STRENGTHS

Hard-working

Problem solving

Flexibility

Creativity

Problem solving

Strategic thinking

Analytical and Problem Solving Skills

## SKILLS

Python

Latex

Microsoft Office

SQL

C/C++

R

