

# ANTONINA CHERNYSHOVA

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Fully Work Authorized | No Visa Sponsorship Required

Portfolio: [chernyshova.tech](http://chernyshova.tech)

Experienced data analyst with a strong background in SQL and Python dedicated to finding actionable business insights from raw data. I strive to improve product performance using statistical modeling and machine learning techniques.

## Skills

**Areas of expertise:** Data analysis and visualization, machine learning, data mining, data governance, user behavior analytics including conversion funnels, churn and retention cohorts, LTV models, A/B tests.

**Technical skills:** Python, Pandas, Numpy, Jupyter, SQL (Mysql/PostgreSQL/Hive/Impala), Spark, Tableau, Periscope Data, AWS (SageMaker, Lambda, S3, Redshift, Athena), Matplotlib, Web Scrapping, Excel.

## Work Experience

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### Senior Data Analyst | Wargaming (Russia)

Jun 2017 – Sep 2018

- Worked on a problem of identifying bots and duplicate accounts for the game 'World of Tanks' (with over 100 million active users worldwide): built datasets, identified model features and parameters, drove cross-team communication with Data Science team, designed and executed data models, presented findings to Product owners.
- Helped a marketing team to estimate campaigns efficiency: planned campaigns, defined metrics to track, prepared dashboard for tracking, evaluated results.
- Mentored 2 junior data analysts.

### Data Analyst | Jetradar (Thailand)

May 2016 – Jul 2017

- Provided data expertise, informational and analytical services to Executives, Finance, Sales and Marketing departments, Product Management, and Development teams of big travel metasearch engine. Delivered automated and manual ad-hoc and scheduled reports for internal and external audiences
- Supported Sales and Marketing: analyzed user behavioral data and provided actionable insights; built data feeds into online sales and marketing tools, ad-hoc list pulls, queries and campaigns.

- Owned company metrics definition and visualization: company-wide KPI dashboards, Executives/Sales/ Marketing/Product/Dev-ops reports.

### **Data Analyst | Ultimate Guitar (Russia)**

Jan 2014 – May 2016

- Built analytics almost from the ground up at the world's largest guitarist community website that had 8 mobile applications with DAU over 2 million users. Helped grow analytics team to 4 people.
- Built analytical system and BI dashboards from different data sources using Periscope Data.
- Provided in-depth analysis on subscriptions and user behavior, including conversion funnels, churn and retention cohorts, LTV models, cluster analysis.
- Ran AB and Multivariate tests: worked with Product Managers to design hypotheses, with Software Engineers to implement and validate test set-up and appropriate tracking, monitor tests, calculate, analyze and present results to stakeholders, and assist in interpreting test results and presenting findings.
- Maintained data integrity and data quality. Worked closely with Software Engineers and Product Managers to advocate for data processes standardization and ensure quality of data streams.

### **Financial Analyst**

Worked at various banks in Russia, including Raiffeisenbank, AlphaBank and PromsvyazBank  
Sep 2009 – Dec 2014

## **Projects**

### **Netflix recommendation system** / Machine Learning | Python | AWS Sage Maker

Recommendation system trained on a 10k movies subset which was applied to the 500k users activity dataset.

### **Reddit Classification with NLP** / Web Scraping | NLP | Machine Learning

Collected data by scraping Reddit website and then built a binary classifier to identify where a given post came from.

### **House Price Prediction** / Python | Machine Learning

Used linear regression techniques in order to estimate the sales price of houses in Ames, Iowa. (Won 1st place among 94 students on Kaggle)

## **Education**

### **Moscow State University of Economics, Statistics and Informatics**

Bachelor's degree in Computer Science (Applied Mathematics and Informatics)

Sep 2004 – Jul 2009

### **General Assembly, Seattle**

Data Science Immersive

Jun 2019 – Aug 2019