# Vladimir Kuzmenkov

https://quicksilver0.github.io/

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## EDUCATION

**Applied Data Science with Python Specialization**  coursera.org, University of Michigan
*5 course Specialization, Overall Grade Achieved: 99%*  *July. 2017 – Dec. 2017*

**Deep Learning Specialization**  coursera.org, deeplearning.ai
*5 course Specialization, Overall Grade Achieved: 99.5%*  *October. 2017 – March. 2018*

**Data Scientist and Data Analyst Paths**  dataquest.io
*Practicing with Data Science projects and technologies*  *July. 2017 – April. 2018*

**Belarusian State Medical University**  Minsk, Belarus
*General Medicine. Yet, my lifepath led me to IT*  *Sept. 2005 – May. 2010*

## EXPERIENCE

**Epam Systems**  Minsk, Belarus
*System Analyst and Performance Testing*  *Aug 2015 - Aug 2016*

- ○ **Projects**: Streaming platform: online TV, e-commerce - delhaize group
- ○ **What was I doing?**: Essentially the aim was to do an initial analysis, build non-functional "heavy load tests", kick them off, answer the question "how capable the system is", revealing and resolving the "bottlenecks".

**Allied Testing**  Minsk, Belarus; London, UK
*Performance Tester*  *Jul 2011 - Oct 2014*

- ○ **Projects**: London Stock Exchange, Deutsche Bank dbPalace
- ○ **Testing**: Design, build, run load tests, collect and present stats. Answering questions "What is the capacity of the system?", "What are the bottlenecks?"
- ○ **Workflow**: Cooperation with various teams: developers, business analysts, QAs located across different countries.
- ○ **Impact**: Performance of the systems I worked with have improved significantly. Which affected the cost in operations, maintenance and developement in a positive way.

## PROJECTS

- **Mercari Price Suggestion Challenge**: $100,000 prize Kaggle style data science competition. Currently top 6% out of 2.4k participant teams. First place has mrse ~38%, mine ~42% on price prediction.
https://www.kaggle.com/c/mercari-price-suggestion-challenge
- **US Traffic Fatality Rates**: Deep Exploration on US Traffic data using BigSql, Machine Learning techniques and presenting most interesting findings in nice visuals via plotly, matplotlib.
https://www.kaggle.com/silversurf/us-traffic-getting-to-the-bottom-of-it
- **Text Mining - Hacker News**: Topic popularity exploration on Hacker News website since 2007. The results are presented as nice interactive highcharts graph https://goo.gl/kk6E3E
- **NYC best Schools District**: Here I explore NewYork accomodation prices as well as school ranks, presenting the findings as a cool matplotlib map projection (cool, because it is surprising of what matplotlib actually capable of): https://goo.gl/TsTe8C

## SKILLS

- **Programming**  languages, tools
  - ○ **DataScience**: **Python** (Pandas, Numpy, Matplotlib, Seaborn, plotly, scikit, SciPy, Keras, TensorFlow), SQL
  - ○ **Others**: HTML, CSS, LaTeX, regexps

- **Technical**  techniques
  - ○ **Deep Learning**: NLP (FastText, RNN, CNN, LSTMs; GloVe; Attention Mechanism), Image Recognition (CNN), Voice Recognition
  - ○ **Machine Learning**: Classification, Regression, Visualization, Feature Engineering
  - ○ **EDA**: Explorative Data Analysis, Map projections
  - ○ **Others**: MySQL, Postgres, BigSQL, git, Data Scraping and Preprocessing