

Zelenov Aleksey

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PERSONAL INFORMATION

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City: Nizhny Novgorod, Russia
Date of birth: December 22, 1994 (25 y.o.)

WORKING EXPERIENCE

- 2019, April - now – Data Scientist/Developer at Teleport.
Projects:
 - Partner sales prediction – Data Scientist, Developer
responsibilities: data mining, model training, prediction microservice.
 - Cross-cut analytics – Data Engineer
responsibilities: data collection, data representation.
- 2019, January - now – Senior lecturer (IoT), PhD Student.
- 2018, March - 2019, April –Software Engineer at Artezio.
Projects:
 - Skyscanner: Python Software Engineer
responsibilities: core improvements, partner support(screen scrapers, api management).
 - Artezio ML cluster: Data Engineer/Scientist
responsibilities: creating pre-sale machine learning solutions for customers (fraud detection, clients classification)
- 2016, June - 2017, November – TA Engineer at Netcracker.
Projects:
 - Integration Testing Framework: Java Developer
responsibilities: old framework product support, new framework development.

EDUCATION

- 2018 - 2022 – National Research University Higher School of Economics, Nizhny Novgorod, department of Informatics, Mathematics and Computer Science, PhD program “Computer Science”.
Planned PhD paper:
 - “Reservoir computing and applications”In progress papers:
 - “Echo-state networks for non time series data”.
- 2016 - 2018 – National Research University Higher School of Economics, Nizhny Novgorod, department of Informatics, Mathematics and Computer Science, Master’s program “Data Mining”.
Terms papers:
 - “Reinforcement learning in robotics”, 2017.
 - “Reinforcement learning in logic games”, 2018, results publishing as a paper in plans.
- 2012 - 2016 – National Research University Higher School of Economics, Nizhny Novgorod, department of Informatics, Mathematics and Computer Science, Bachelor’s program “Applied Mathematics and Informatics”. Mean mark – 7.5/excellent (from 10).
Terms papers:
 - “Ordering formula development with respect of equality and delta. Applications for market stock selection”, 2014;
 - “Multiple-decision procedure for stock selection”, 2015;
 - “Reinforcement learning in dynamic games” - graduation thesis, 2016.
- Primary+secondary education: 2001-2012 – Liceum №82 with advanced curriculum in Physics, Nizhny Novgorod.

EXTRA CERTIFICATIONS

- The Summer School 2014 on Operational Research and Applications, LATNA, HSE, May 2014, Nizhny Novgorod.
- International Workshop on Clustering and Search techniques in large scale networks, LATNA, HSE, November 2014, Nizhny Novgorod.
- The Summer School on Operational Research and Applications, LATNA, HSE, May 12 – 16, 2015, Nizhny Novgorod.
- International Workshop on Clustering and Search techniques for large scale networks, LATNA, HSE, October 23 – 25, 2015, Nizhny Novgorod.
- Google Developer Group (GDG) - DevFest, November, 2015, Nizhny Novgorod.
- Google Developer Group (GDG) - StudyJams, October, 2016, Nizhny Novgorod.
- Maths and Python for Data Analysis (<https://www.coursera.org/account/accomplishments/certificate/L936GQBD5M6S>)

SKILLS

Studied at university:

C++, Python, Tensorflow, Keras, R, MatLab, NASM, Unix, Oracle SQL, Scala, BigData (Kafka, Zeppelin, Hive), Git

Working closely:

Python, git, Java, SQL

Language skills: English (upper-Intermediate, writing and speaking), Deutsch (elementary).

Confident Jira user.

PROJECTS

Game "Bulls and Cows" (NASM).

Starcraft units database with web interface (Java).

CVRPTW algorithms implementation (Python).

Market stock selection procedures implementation (Matlab).

SMPP server implementation (Java).

LSTM-based neural machine translator (Python, Tensorflow).

Reinforcement learning algorithms for OpenAiGym (keras, python).

Educational car-crash prediction competition (first place) (Python, scikit-learn).

Template matching for logo detection project (Python, Keras, openCV).

OTHER

Expert knowledge of Paint.

Elementary knowledge of Adobe After Effects.

PASSIONS

Machine Learning, Deep Learning, Computer vision, computer games, Big Data.