Igor Tarlinskiy

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EDUCATION

Specialist's degree at Lomonosov Moscow State University Sep 2015 - Jun 2021
Faculty of Fundamental mechanics and mathematics.

Android development at Samsung IT-school, Irkutsk, Russia Sep 2014 - Jun 2015

- As a result of graduating I wrote fully functioning android app very similar to *Instagram*. Won the nomination *Best social app*.

EXPERIENCE

Data Scientist Apr 2019 - Dec 2019
Internship, Sberbank, Moscow, Russia

- Worked at *Sberbank AI* department, *Chatbot* team (NLP). Researched exisiting "state of the art" deep learning models to compete against model in production. Created DL architecture showing weaknesses of the existing "production" model, namely it showed that working model badly consider ordering of the words that much. Fixing it resulted in significant accuracy improvement regarding text-classification problems.

Software engineer Nov 2017 - Oct 2018
Fullstack developer, Alfasystem, Moscow, Russia

- On the server-side I implemented *logging system* for *User/Developer/Client* with the ability to filter logs by specified parameters, such as *processId, sessionId, date and time, etc...*, which resulted in much faster debugging process for developers as well as fixing three critical bugs, sometimes called *Communication bugs* between client and server.
- Created a tool for tracking dependencies between different JavaScript scripts which increased loading of HTML pages by at least 10%. Perfomance increased dramatically (approximately 7.5%) by removing heavy-lifted CSS files.

PERSONAL PROJECTS

- N puzzle solver. Implementation and metric choice analysis of the famous A* algorithm trying to solve N puzzle problem.
- Neural network from scratch. Tutorial I wrote to explain the mechanics of Neural Networks using only *NumPy*.
- Wrapper around YouTube search. Frontend application for personal use. To avoid recommended videos when searching YouTube. Made with *Vue.js*.

COURSES

- NLP in TensorFlow (Coursera).

SKILLS

Backend: C++(*Fluent*), Java(*Basic*)
ML,DS: Python(*Keras, PyTorch, Scikit-learn*), LSTM, t-SNE, GRU, Encoder-decoder, Seq2Seq
NLP: TfIdf, Word2Vec, GloVe, WM distance

COURSEWORK

Research describing the algorithm that was being used on Russian satellites in the middle of 80-90 years. Algorithm description and accuracy analysis.