Pockonechnyy Eduard

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Education

2020 – 2022, Master of Computer Science, future purpose

2019 – 2021, Yandex School of Data Analysis, Data Science track. First year student at graduate-level extracurricular program from leading Russian software company.

2015 – 2020, Moscow Institute of Physics and Technology (MIPT). Department of innovations and high technology (DIHT), Department of Image Recognition and Text Processing (ABBYY), bachelor.

2013 – 2015, Advanced Education Scientific Center, Deparment of Moscow State University

Work experience

- **Software Developer**, Data Monsters *July 2019 – Present*

Was engaged in the development of internal infrastructure for deploying machine learning tasks in a new project (Python, Docker, Web, DevOps). Attracted investment in the project using a demo stand. Performed research on the review of existing methods in recommendation services.

- **Junior Software Developer**, RANEPA *July 2018 – Dec 2018*

Successfully deployed an automatic service for monitoring the dynamics of prices for certain products in Russian food stores. C++, Python, Django, Web-scrapping

- **Junior Researcher**, Tinkoff bank *Aug 2018 – Feb 2019*

NLP Project on special text (clients' dialogs with support) processing, classification and real time clusterization. Read a lot of NLP articles, created pipeline, performed experiments on text clusterization and classification. Python, tensorflow

- **Intern, Tester**, ABBYY *Summer 2017*

Deployed FlexiCapture app under Citrix, conducted experiments and performance testing.

Projects

- **iPavlov NLP course**

Workshops were based on materials from the Stanford course cs224n. Course covered both the basic knowledge of building neural networks and highly specialized techniques for NLP. The final team project: NLP Question Answering system (SQuAD). We used PyTorch to implement the model, based on attention mechanism and random dropout. Poster of our project.

- **Voice Application for 1C**

During GlobalChangers MIPT hackathon, our team developed small service for voice instrumentalization (Python, signal processing). Awarded with 1st place.

- **C++ computer graphics study project**

From scratch implemented with C++ a module for rendering images with realistic ray tracing and reflections. Processed lot of computational geometry.

Skills & Technologies

- Python (numpy, scipy, pandas, tf/torch/keras, Web), Django, Flask, PyQt
- C++ (std11, stl, cmake), Qt, OpenGL
- Advanced algorithms and Data Structures
- Linux, Docker, SQL, Hadoop, basics of F#, Java, DGLux
- Probability theory, Statistics, Stochastic processes, Optimization Methods
- Advanced machine learning, Natural Language Processing, Theoretical Deep Learning
- Russian (native), English (intermediate)