Dani El-Ayyass

NLP Tech Lead

Moscow, Russia

dayyass@yandex.ru

+7 (916) 242-07-83

dayyass

delayyass

dayyass

Personal Info

NLP Tech Lead with over 4 years of experience with strong Data Science and Machine Learning background. Being passionate about open-source, I develop projects on GitHub.

Field of interests: NLP, RL, MLOps, Graphs, Distributed Systems

Skills

Languages:	Python, SQL
ML/DL:	NumPy, Scikit-Learn, PyTorch
Big Data:	Hadoop, Hive, Spark
DevOps:	Linux, Git, Docker, CI

Achievements

- Published 8 packages to **PyPI**
- Contributor to **PyTorch, Scikit-Learn, SciPy**
- Open Data Science **Best Contributor 2020**

Experience

NLP Tech Lead, Sber AI Lab — 2021-05 — present

- Managed **8 members** team
- Developed en-ru and ru-en documents translator with **BLEU > 45%**
- Developed and deployed **15 models** to cover 100% department's bussiness processes with AI solutions
- Product owner of AI Platform with **30 models** that are used in business processes

Senior NLP Engineer, Tinkoff AI Lab — 2021-02 — 2021-05

- Developed BERT-based question answering model for Virtual Assistant "Oleg"

Middle NLP Engineer, MTS AI Lab — 2020-05 — 2021-02

- Improved models quality with pseudo-labeling by **10% F1 score**
- Developed BiLSTM and BERT-based NER models for medical chat-bot

Junior Data Scientist, Sberbank — 2018-07 — 2020-05

- Improved a credit scoring model by **15% ROC-AUC**
- Developed models for clients clustering and anomaly detection

Education

Lomonosov Moscow State University — 2019 - 2023

- **Master of Science** in Applied Mathematics and Computer Science
- Teaching Assistant at "Deep Learning" course

Plekhanov Russian University of Economics — 2015 - 2019

- **Bachelor of Science** in Applied Mathematics and Computer Science
- Diploma thesis: "Assessment of credit organizations borrowers' default rate"

Projects

- **QaNER** - unofficial implementation of QaNER paper (NER via Extractive QA)
- **RLLib** - Reinforcement Learning library
- **PyDFS** - Distributed File System written in Python
- **MUSE as Service** - REST API for sentence embeddings