

Dani El-Ayyass

Tech Lead / Team Lead

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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 [10 packages](#) to PyPI with 16k+ downloads
- Worldcoin "Honorable mentions" [project](#) at ETHOnline 2022
- Contributor to **PyTorch**, **Scikit-Learn**, **SciPy**
- Open Data Science **Best Contributor 2020**

Experience

- **Tech Lead & Product Owner, Sber AI Lab** 2021-05 — present
 - Managed **8 members** NLP team and **6 members** product 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