

ALEKSEI ZOTOV



BASIC INFORMATION

Copenhagen

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Website: github.com/random-alex

WORK EXPERIENCE

Lead Machine Learning Engineer

August 2022 - Present

Neurons Inc

1. Build a high-performing strong ML&Data engineering team, culture and values Day-to-day team management, 1:1, career paths and skill development.
2. Support and advise the Product Management team in developing Product strategies and deliveries. Ensure to map and monitor all scientific parts of our product to ensure high quality.
3. Set and review OKR goals for the ML & Data Engineering team. Manage ML Engineering/infrastructure budgets with the Director of Product & Eng/Director of Finance.
4. Deliver and maintain SOTA model predictions for CV tasks (CNN and transformer-based models, both pre-trained and written from scratch).
5. Deliver and maintain SOTA model predictions for NLP tasks (LLMs, LMMs, both pre-trained and written from scratch).
6. Design, implement and maintain best MLOps and LLMOps practices.

Stack - Python(main language),TensorFlow, PyTorch, MLFlow, ClearML, LangChain, LlamaIndex, scikit-learn, Golang, GCP, Cloud Run, Docker, k8s, SQL, FastAPI, Pub/Sub, DVC

Machine Learning Engineer

August 2019 - August 2022

ThePlatypus

1. First Machine Learning Engineer in an HRtech startup, built a core algorithm for a platform, working closely with product, growth and sales teams.
2. Worked with NLP(text classification based on transformer learning), and lots of RND work (last project - predicting the employees leaving the organisation based on unique platform data).
3. Delivered end-to-end machine learning models through API service.
4. As an MLE, I was responsible for the MLOps part of the platform.

Stack - Python(main language), FastAPI, TensorFlow, scikit-learn, Golang, GCP, Cloud Run, Pub/Sub, Docker, k8s, SQL, PyTorch.

Data Scientist

April 2018 - July 2019

Revolut

1. Dashboards and analytics of existing hiring process, optimisation.
2. Backend development for internal People Ops tool
3. Implementing ML models for internal People Ops tool.
4. Organising company data into a structured and usable form for ML.

Stack - Python(main language), Java, TensorFlow, scikit-learn, FastAPI, GCP, Docker, k8s, SQL, Celery, RabbitMQ.

Data analysis specialist

June 2016 – April 2018

Materia Medica Holding

1. Hypothesis testing (from t-test to GLM, Bayes factor), automating routine calculations.
2. Digital signal processing.

Stack – R(main language), python, tidyverse, shiny, JAGS/RJAGS, Docker, SQL.

SKILLS

Python, R, Golang, SQL, GCP, FastAPI, tensorflow, pytorch, keras, scikit-learn, LangChain, LlamaIndex, Cloud Run, Docker, k8s, RabbitMQ, Celery, Pub/Sub, DVC,

EDUCATION

MS in Applied math

September 2016 – June 2018

HSE

Main study topics – different areas of applied math (including optimisation algorithms, statistics, differential equations) and programming (algorithms, discrete math, application design).

GPA – 4.3/5.0

BS in Engineering

September 2012 – June 2016

BMSTU

Main study topics – different methods of signal processing(analog, digital, statistical) and general engineer subjects.

GPA – 4.9/5.0

INTERESTS

Rugby, books, math.