

Software Engineer

Anna Araslanova

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Visa sponsorship required

TECHNICAL SKILLS

Languages: C++, Python, SQL, Go

Developer Tools: Git, Docker, Linux

Domain Knowledge: machine learning, deep learning, computer vision

Libraries: C++ - stl, gtest, Qt, ffmpeg; Python - the majority of ML libraries, OpenCV, pytest

EXPERIENCE

Software Engineer (Machine Learning), C++ + ML + Python

06/19 - 12/20

Video Analysis Technologies

- Developed completely new modules for C++ face analysis library, integrated 10+ deep learning pipelines into the library, including Python/C/C# bindings to deliver DL models to customers;
- Patched 3 opensource libraries, added CI with TDD, increased researchers' work processes x2 times;
- Built 4 cross platform demo applications for customers with parallel data processing;
- Wrote backend for data collection services, collected a database of 500 000 domain-specific images in 6 months; developed pipelines for video preprocessing and generation of synthetic frames to increase quality of data;
- Conduct code review for interns;
- Completed a computer vision research task; built and made 2 production updates of 2D Face anti-spoofing classifier (increased ROC AUC from 0.92 to 0.97), tried 5 NN approaches.

Python Developer, 10 h/week, Python + ML

01/19 - 12/19

Skoltech university laboratory, Neural Architecture Search project for Huawei

- Reproduced 6 of the latest articles and compared performance. Prepared summaries for 4 meetings with *Huawei*;
- The work became a basis of my MSc thesis.

Data Analyst, Python + SQL

04/17 - 03/18

Home Credit and Finance Bank

- Improved the customer journey: created and tested hypotheses, visualized results and pitched conclusions for product managers and marketing director: retention was improved by 10%, 1 successful card product was launched;
- Reduced time of report building from hours to minutes.

EDUCATION

Yandex School of Data Analysis

MSc-level, Computer Science

The most selective master program in Russia (3% enrollment rate, 40% dropout rate)

2018 - '21

Higher School of Economics & Skoltech

MSc, Data Science

Worked in a university laboratory for 1 year

2018 - '20

Higher School of Economics

BSc, Applied Mathematics

QS World University Rankings: top 100 in Mathematics, top 200 in Computer Science

2014 - '18