Aznaur Aliev
Software Engineer

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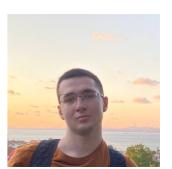
📍 Moscow, Russia   ⌂ Mavic-ux

in Linkedin   ✈ @sysbergwq

Professional Skills

C/C++	Python	Deep Learning
Reinforcement learning	NLP	Linux
Git	Pytorch	Tensorflow

Work experience

Huawei
AI System Engineer
02/2022 - present

Reinforment Learning
SOTA model based algorithms: Muzero, Muesli
NLP / RLHF

IRA Labs
DL Researcher
09/2021 - 12/2021

Computer vision in medical images (radiology)
Uncertainty estimation in emphysema, honeycomb lung

About

Semantic Segmentation

Deep Learning Project: Medical Image Segmentation.
SegNet and U-Net architectures implemented with various loss functions: dice, bce, focal and hausdorff loss

PDP-11 emulator

PDP-11 assembler bytecode interpreter. on C.
Basic assembler functions implemented such as: mov (movb), add, tst (tstb), br, sob.
Implemented a trace (-T), which outputs register values, flags, address, function code, function decryption and expands mov and movb functions at every step.

Matrix multiplication optimisations

Project on C++. Optimisation ways: vectorization, loop unrolling and tiling, intrinsics

LLVM project

Implemented own language based on Flex/Bison and LLVM IR

ADAS, LiDAR Perception

Implemented Dbscan algorithm for LiDAR Perception on KITTI Vision Benchmark

Publications

Medium article: Muesli: MuZero without MCTS

Education

MIPT
2019 - 2023

Phystech-School of Radio Engineering and Computer Technology
GPA: 8.31 / 10