Yury Davydov

Data scientist, Data Analyst, Machine Learning Engineer

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EXPERIENCE

VIA Technologies, Inc., Taipei – Intern – Intelligent Vision

February 2023 - July 2023

- Responsibilities: data preprocessing, building and deploying deep learning models (ONNX).
- Main data science domains: Computer Vision
- Major accomplishments: successfully reproduced a recent (2023) paper, added the ONNX export functionality to the model.

Intelligent Systems Lab, National Taipei University of Technology, Taipei — *Laboratory Assistant*

February 2019 - August 2022

- Responsibilities: data collection and preprocessing, building deep learning models for autonomous driving applications, conducting experiments, writing papers based on research results.
- Main data science domains: Computer Vision.
- Major accomplishments: successful development of a monocular distance estimation model (Q1 publication).

NRC "Kurchatov Institute", Moscow — *Laboratory Assistant*

February 2019 - August 2022

- Responsibilities: data collection and preprocessing, building deep learning models and spiking neural networks, conducting experiments, writing papers based on research results.
- Main data science domains: NLP (Natural Language Processing), Computer Vision, Spiking Neural Networks.
- Major accomplishments: successful development of a human-to-robot interface (voice conversion into RDF), synaptic plasticity model for PPX memristor devices.

EDUCATION

Moscow State University, Faculty of Physics — *Bachelor's degree*

September 2016 - July 2020

Majors: laser physics, computational biophysics.

National Taipei University of Technology —Master's degree

September 2021 - PRESENT

Majors: control theory, deep learning (computer vision).

SKILLS

Python
NumPy
PyTorch
TensorFlow
Pandas
Matplotlib/Seaborn
MMCV
Data collection
Data cleaning
Model optimization
Model evaluation
Computational physics
Mathematical modeling
Statistics/probability
Matlab/Simulink
C/C++

PUBLICATIONS, BIOGRAPHY & MORE

https://vexing-shusher.github.io

LANGUAGES

Russian (native), English (IELTS — 8.0, 2021).