Baderko Makar

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About Me

I am a 14 year old passionate Junior Machine Learning Developer. I would like to gain some work experience while collaborating with curious people on some interesting projects.

Skills

Technical Skills Python3, C++, Unix, Scikit-learn, Gradient Boosting, Tensorflow, Pytorch, Pandas, Matplotlib, Git, Hadoop, PostgreSQL, Tableau, Arduino, Fusion 360 and LaTeX
Languages Russian - Mother Tongue, English - C1 (Certified), German - A2, Italian - A0
Interests Microelectronics, Engineering, Videography, Teaching, Reading

Work Experience

Biometriclabs
Junior Embedded Developer (June 2021 - August 2021)

- Building prototypes of innovative products with the Raspberry Pi, collecting human heart rate data and converting it into the required digital format.

Personal projects and competitions

Personal Projects

Automated Trash Sorting Conveyer

- While working on this projects I used such technologies as OpenCV, Tensorflow, Arduino and Fusion 360 as a CAD software
- This project was a combination of Deep Learning, Microelectronics and 3D Modelling.

Different Kaggle Competitions (June 2019 - Present)

- Developed different strategies, both using external libraries and self-created algorithms.
- Was able to achieve such results in commercial competitions:
  SIIM-ISIC Melanoma-Classification - Placed 836/3308
  Cornell Birdcall Identification - Placed 784/1390
  M5 Forecasting - Placed 701/5558
  ALASKA2 Image Steganalysis - Placed 629/1095
  Rock, Paper, Scissors - Placed 622/1662
  Halite by Two Sigma - Placed 338/1139
  Hash Code 2021 - Traffic Signalling - Placed 83/179

Other Competitions (2022 - Present)

- Winner of the National Data Analysis Olimpiad DANO (Run by the Higher School of Economics)

Education

Online Courses

- The Complete SQL Bootcamp
- Data Structures + Algorithms
- Reinforcement Learning in Python
- Deep Learning: Advanced Computer Vision (GANs, SSD, +More)
- Tensorflow 2 and Keras Deep Learning
- Building Recommender Systems
- Natural Language Processing with Python
- Machine Learning Bootcamp

Offline Studies

- MIPT Summer Olympic School (Sport programming)
  Finished with A- B+ grades, placed 2nd in a team-based algorithms competition.
  During this intensive course we learned to implement such algorithms as Binary Indexed Trees, Treaps, Tries, Aho-Corasick algorithm, LCA.