BURAKOV FEDOR

Machine Learning Engineer, NaUKMA (2019-2023)

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# EXPERIENCE

## Machine Learning Engineer

### Camai, Miniso (contract)

 January 2021 – Present Kyiv, Ukraine

* Developed visualization and evaluation tools that lead to bet- ter understanding of model’s error
* Engineered and implemented several features which lead to 15% increase in model’s performance

## Contributed to ML Lab

### Fido.ai, NaUKMA

 November 2020 – Present Kyiv, Ukraine

* Implemented LSTM model for ethnicity classification
* Translated SQuAD dataset for Ukrainian BERT training
* Made Linear Regression tutorial for newbees

## Math & Computer Science tutor

### Self-employed

 July 2020 – August 2020 Mariupol, Ukraine

### Worked as a private teacher on summer holidays

* 100% positive feedback rate

SKILLS

* Programming languages: Python (confident), Java, C++ and Haskell (beginner)
* Frameworks: PyTorch (prefferred), Keras, Dask
* Libraries: scientific Python kit (numpy, pandas, matplotlib, etc.)
* Tools: Git, Linux, Jupyter&Colab, Streamlit, MLFlow
* Languages: English (Advanced), Russian and Ukrainian (native)

# COURSES

## Deeplearning.ai

### Coursera

 September 2020 – October 2020

* Neural Networks and Deep Learning
* Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization
* Structuring Machine Learning Projects
* Natural Language Processing with Classification and Vector Spaces

## Atlassian

### Coursera

 June 2020

* Version Control with Git

# EDUCATION

## National University of "Kyiv-Mohyla Academy"

### Computer Science, BSc

 September 2019– July 2023

* Cumulative GPA 4.5/5
* GPA of 4.75/5 in math related disciplines

# PROJECTS

## OpenCV demos

 August 2020

Several OpenCV based pet-projects, includ- ing telegram bet that detects faces on pic- ture and replaces them with a pre-made face mask

## Pac-Man inspired game

### 444 studios

 June 2020

Was responsible for complete Ghost-AI part of the game, data structures and some of the game logic

## Siamese neural network

 January 2019

Word2Vec inspired project. The idea is to adapt NLP methods to music processing and to find piano chords that sound best suited together. Released a scientific paper on the topic

# EXTRA-CURRICULAR

## Ukrainian Junior Science Academy

 March 2019

1st place in region

## Published scientific paper

 October 2018

“Machine learning of distributive semantics of musical chords in classical piano pieces”

## Participated in several conferences on computer science

 November 2018 – January 2019