

Pavlo Radiuk

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LinkedIn account • Github repository

Khmelnitsky, Ukraine

Summary

Graduate student at Khmelnytskyi National University is looking an opportunity to occupy a position as a Data Engineer. Have advanced knowledge of math, statistics, and data representation. Have either programming experience in several programming languages.

Experience

- **Khmelnitskyi National University** **Khmelnitsky, Ukraine**
Senior Laboratory Assistant 12/2016 – 08/2017
 - Provided the maintenance of computer equipment, software, and a local computer lab network.
 - Carried out the administration both of workplaces and users of the computer lab.
 - Prepared the materials, control instruments, and multimedia, that are necessary for the implementation of the educational process.
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Education

- **Khmelnitskyi National University** **Khmelnitsky, Ukraine**
Applied Mathematics, Ph.D. 09/2017 – Present
 - For research purposes created several Python scripts to recognize images of diverse datasets using TensorFlow and MATLAB as a part of the doctoral thesis.
 - Thesis: *Methods of optimization of architectural and training parameters of convolutional neural networks for classification tasks of static images of medical diagnostics*
 - **Khmelnitskyi National University** **Khmelnitsky, Ukraine**
Mathematical and Computer Modeling, M.Sc. 09/2011 – 01/2017
 - Had to deal with tracking cars in MATLAB environment. Developed an application for selecting the optimal parameters for the tracking system based on collected by myself statistics.
 - Worked on the creation of a system to produce a linear regression model and its research. Task was to create a class on C# in Visual Studio. The class collected results of major operations on matrices, such as multiplication of matrices, transpose matrices, inverse matrices, etc.
 - Obtained master's degree in the field of Mathematical and Computer Modeling and qualification of Mathematician-analyst, the teacher of a higher educational institution ¹.
 - Thesis: *Optimization of filter's size distribution in convolutional neural networks for classification problems*
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Languages and Technologies

Programming Languages: Python, MATLAB, C#, \LaTeX ,
Data Analysis: SciPy, NumPy, Keras, TensorFlow, Google Analytics, MS Office
Environments: Visual Studio, git, Docker
Databases: SQL, MySQL
Languages: Fluent in Ukrainian and Russian, advanced in English

Publications

1. Radiuk, P. Impact of Training Set Batch Size on the Performance of Convolutional Neural Networks for Diverse Datasets. *Information Technology and Management Science*, 20(1), pp. 20-24. Retrieved 14 Jan. 2018. <https://doi.org/10.1515/itms-2017-0003>

¹https://drive.google.com/open?id=1a10K3d_8TxxRu7NT-zE5a6jSWdQLITic