

# Pavlo Radiuk

radiukpavlo@gmail.com • +38 (097) 851 94 48

LinkedIn account • Github repository

Khmelnytsky, 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

- **Khmelnytskyi National University** **Khmelnytsky, 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.
- 

## Education

- **Khmelnytskyi National University** **Khmelnytsky, 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*
  - **Khmelnytskyi National University** **Khmelnytsky, 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 <sup>1</sup>.
    - Thesis: *Optimization of filter's size distribution in convolutional neural networks for classification problems*
- 

## Languages and Technologies

**Programming Languages:** Python, C#, MATLAB,  $\LaTeX$ ,

**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>

---

<sup>1</sup>[https://drive.google.com/open?id=1a10K3d\\_8TxxRu7NT-zE5a6jSWdQLITic](https://drive.google.com/open?id=1a10K3d_8TxxRu7NT-zE5a6jSWdQLITic)