Danik Hollatz

Junior Deep Learning Engineer

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Skills

- **Python** for **Computer Vision, NLP, Audio Signal Processing**. Good knowledge of Java, C#
- **Working with:** PyTorch, TensorFlow, Numpy, Pandas, Matplotlib, OpenCV, Seaborn, Scikit-learn
- **Other:** SQL, Linux, Git, AWS

Education

- **Bachelor at Martin Luther University** — Germany
  Informatics — *2018-2021*
  - **Bachelor Thesis**: Deep Learning for Locating Seed Placements in Images (PyTorch)
    This work represents my understanding of fundamentals of Neural Networks and their application in the field of Computer Vision. It also describes the application of various NN's architectures within a task Semantic Segmentation and Object Localization.
  - **Uni Praxis**: Correction of Street Spellings in Germany (TensorFlow)
    I have implemented an RNN that was capable to detect and correct up to 85% of typos in street spellings.
    github link
  - **Information Retrieval**: Pipelines for predicting quality of arguments and retrieving them.
    Paper, Top-1 Uni-team and Top-7 overall in Touché @ CLEF as team 'Luke Skywalker'
- **Bachelor at Odessa State Environmental University** — Ukraine
  Computer Science — *2017-2021*
- **Master at Leibniz University Hannover** — Germany
  Data Science — *2021-2023*

Pet-Projects

- **SegNet Implementation:** github link (PyTorch)
  I have implemented one of the most popular networks for semantic segmentation and applied it on dermoscopic images.
- **UNet Implementation:** github link (PyTorch)
  As well, I have tried to implement another popular network on the same dataset containing dermoscopic images.
- **SincNet Implementation:** github link (TensorFlow)
  In this Project I created a baseline described in Paper for Speaker Recognition task achieving 73% accuracy.

Languages Knowledge

- **Russian**: Native speaker
- **Ukrainian**: Native speaker
- **German**: C1
- **English**: C1