Tomi Illes

Machine Learning Engineer

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portfolio: tomilles.com

Being a recent graduate I am eager to put my studies into practice by working on challenging machine learning and deep learning problems that require creative thinking and innovation. In the past I've gained strong skills in working independently as well as part of a team. Furthermore, I'm naturally curious and ready to ask, keen to learn new things and both willing and able to take on responsibility.

tomilles.com · linkedin.com/in/tomilles · github.com/tomilles · kaggle.com/tomilles

Skills & Knowledge

Programming & Frameworks

Python · SQL · NumPy · Pandas · PyTorch · Matlab · R · spaCy · Matplotlib · Latex · TensorFlow · Keras · Scikit-learn · NLTK · SciPy · CSS · HTML · jQuery · OpenCV · NoSQL

Concepts

Neural Networks · DNN · CNN · Semantic Segmentation · Signal processing · NLP · RNN · Meta-learning · Sequence models · SVM · GANs · Confidence intervals · PCA

Personal & Interpersonal

communication · collaboration · organisational & management skills · leadership · teamwork · public speaking · creative & critical thinking · teaching · time management · report writing

Experience

ML engineer – NLP project

Hackerintro

Sep, 2021

Built a rule-based model and trained a custom NER model in spaCy to detect individuals' names and IT skills in CVs.

Advanced Analytics (Data Science) Intern

IFUA Horváth & Partners Management Consultants

Aug – Sep, 2017

Identified customer behaviours through data analysis using k-means clustering and various ML techniques in Python.

Engineer Intern

AVM Konferenciatechnika Kft.

Aug, 2015

Learnt to solder numerous kinds of cables and to install audiovisual systems into e.g. car salons, bank branches.

ML projects

Master's final project

2020, Durham University

The extraction of musical instruments from bachata songs using semantic segmentation for audio source separation.

Stock price prediction and classification

2021 – present

Developing a statistical CNN model with various features (e.g. multiscale) to predict the stock price movement of the next day of a given market based on the previous X days.

Education & Certifications

Online

Deep Learning Specialisation by Andrew Ng

2021 · deeplearning.ai · Coursera
- Neural Networks and Deep Learning
- Improving Deep Neural Networks
- Structuring Machine Learning Projects
- Convolutional Neural Networks
- Sequence Models

Machine learning by Andrew Ng

2021 – present · Coursera

University

MSci in Computer Science and Mathematics
within the Natural Sciences programme
2015 – 2020, Durham University · Class II Division 1 (2.1)

Extracurricular activities & positions

- European Solidarity Corps volunteer
  2020 – 2021, Asociación Las Niñas del Tul, Granada
- Latin dance instructor
  2016 – 2021, UK
- Hotel entertainer/animator
  2019, Hotel Gran Castillo Tagoro (Lanzarote), Acttiv
- Founder and president of Latin Social Dance Society
  2017 – 2019, Durham University
- Active Societies representative
  2018 – 2019, Durham Students' Union
- Treasurer and social secretary
  2016 – 2017, Collingwood College Basketball Club, DU
- Languages: English, Hungarian, Spanish
- Interests: dancing (latin), basketball, skiing, hiking