



# Tomi Illes

machine learning engineer

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I will write some very short intro here saying who I am, what I do what I want do and why, etc etc etc I will write some very short intro here saying who I am, what I do what I want do I will write some very short intro here saying who I am, what I will write some very short intro here saying who I am, what I do what I want do



[tomilles.com](http://tomilles.com)

[in linkedin.com/in/tomilles](https://in.linkedin.com/in/tomilles)



[github.com/tomilles](https://github.com/tomilles)



[kaggle.com/tomilles](https://kaggle.com/tomilles)

## Skills & Knowledge

### Programming

Python • Matlab • R • Latex • SQL • HTML • jQuery • CSS • JavaScript

### Frameworks & libraries

Pytorch • NumPy • TensorFlow • Keras • Matplotlib • Scikit-learn • spaCy • Pandas • NLTK • SciPy • openCV

### Concepts

NN • DNN • CNN • Semantic Segmentation • Audio source separation • RNN • Meta-learning • Sequence models • NLP • SVM • GANs • Confidence intervals • PCA

## Experience

### Advanced Analytics (Data Science) Intern



**IFUA Horváth & Partners Management Consultants**

Aug - Sep, 2017

My task in the Data Science team was to identify numerous customer behaviours based on a large amount of customer data from an oil and gas company using k-means clustering and various data analysis and ML techniques in Python.

### Engineer Intern



**AVM Konferenciatechnika Kft.**

Aug, 2015

During my time at this company I learnt to solder different kinds of cables and to assemble and install audiovisual systems e.g. into car salons or bank branches.

## Projects

### Master's final project

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

## Extracurricular

- Founder and president of Latin Social Dance Society 2017 - 2019, Durham University
- Latin Dance instructor 2016-2020, UK
- Active Societies representative 2018-2019, Durham Students' Union
- Treasurer and social secretary 2016-2017, CCBC, Durham University

## Education & Certificates

### University



**MSci in Computer Science and Mathematics**

within the Natural Sciences programme

Class II Division 1 (2.1) • Durham University • 2015 - 2020

### Online

**Deep Learning Specialisation by Andrew Ng**



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**

Coursera



### Detecting tech skills with spaCy

Short description

- European Solidarity Corps volunteer 2020-2021, Asociación Las Niñas del Tul, Granada
- Languages: English, Hungarian, Spanish

+ dancing, basketball, skiing, hiking