


## PERSONAL INFORMATION

## Michal Farkaš

 Príčina 35A, 951 97 Žitavany (Slovakia)

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 michal.farkas@stuba.sk

## EDUCATION AND TRAINING

09/2012–06/2015

### Bachelors degree

Faculty of Informatic and Information Technologies, Slovak Technical University, Bratislava (Slovakia)

Bachelor's Thesis: Developing a player for Ms.Pac-man videogame (in slovak language)

- Topology and Weight Evolving Artificial Neural Network algorithms
  - HyperNeat

09/2015–06/2017

### Engineers degree

Faculty of Informatic and Information Technologies, Slovak Technical University, Bratislava (Slovakia)

Master's Thesis: Prediction of energy load using deep neural networks (in slovak language)

- deep neural networks
  - WaveNet
- My own implementation in Theano

09/2017–Present

### Doctoral degree

Faculty of Informatic and Information Technologies, Slovak Technical University, Bratislava (Slovakia)

Dissertation Thesis: Linguistic representation and Dialogue systems (WIP)

I am primarily focusing on:

- linguistic representations
- text generation
- dialogue systems.

## PERSONAL SKILLS

Mother tongue(s)

Slovak

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C2	C2	B2	C1	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills

- teaching experience during my studies

Digital skills

- data science

- artificial intelligence
- machine learning
- text processing
- neural networks

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**ADDITIONAL INFORMATION****Publications**

Farkaš, Michal; Lacko, Peter. Using Advanced Audio Generating Techniques to Model Electrical Energy Load. In: *International Conference on Engineering Applications of Neural Networks*. Springer, Cham, 2017. p. 39-48.

Farkaš, Michal; LACKO, Peter. Linguistic Regularities Between Words and Their Definitions. In: *2018 World Symposium on Digital Intelligence for Systems and Machines (DISA)*. IEEE, 2018. p. 349-354.

Pecar, S., Farkaš, M., Simko, M., Lacko, P., & Bielikova, M. (2018). NL-FIIT at IEST-2018: Emotion Recognition utilizing Neural Networks and Multi-level Preprocessing. In *Proceedings of the 9th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis* (pp. 217-223).

DANISIK, Norbert; LACKO, Peter; FARKAS, Michal. Football Match Prediction Using Players Attributes. In: *2018 World Symposium on Digital Intelligence for Systems and Machines (DISA)*. IEEE, 2018. p. 201-206.

**Honours and awards**

(2017) Dean's prize for outstanding Master's thesis