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MARTIN TUTEK

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EDUCATION

Zagreb, Croatia **Faculty of Electrical Engineering and Computing,
University of Zagreb** **Apr 2016 – Present**

- *PhD candidate* in Machine Learning
- Received *MSc* (Jul 2014) and *BSc* (Jul 2012) in Computer Science
- *Erasmus* at *Universidad Politécnica de Madrid*, Autumn 2013

WORK EXPERIENCE

Research Assistant **TakeLab, Faculty of Electrical Engineering and
Computing, University of Zagreb** **Feb 2016 - Present**

- Teaching - Artificial Intelligence (Spring 2016, 2017), Deep Learning (Autumn 2016, 2017)

Consultant **European Commission, Joint Research Centre** **May 2015 – Aug 2015**

Trainee **European Commission, Joint Research Centre** **Sep 2014 – Feb 2015**

- Text analysis and retrieval in scientific and technical corpora with the goal of updating the terminology listing and definitions for the "*Sendai Framework for Disaster Risk Reduction*"
- Credited in UNISDR STAG report for 2015 "*Science is used for Disaster Risk Reduction*"

Android Developer **Infinum** **May 2013 – Sep 2013**

PUBLICATIONS

- Tutek, M., Glavas, G., Šnajder, J., Milić-Frayling, N., & Dalbelo Basic, B. (2016, October). *Detecting and Ranking Conceptual Links between Texts Using a Knowledge Base*. In Proceedings of the 25th ACM International on Conference on Information and Knowledge Management (pp. 2077-2080).
- di Buono, M. P., Šnajder, J., Basic, B. D., Glavaš, G., Tutek, M., & Milic-Frayling, N. (2017). *Predicting News Values from Headline Text and Emotions*. In Proceedings of the 2017 EMNLP Workshop: Natural Language Processing meets Journalism (pp. 1-6).
- di Buono, M. P., Tutek, M., Šnajder, J., Glavaš, G., Bašić, B. D., & Milic-Frayling, N. (2017). *Two Layers of Annotation for Representing Event Mentions in News Stories*. In Proceedings of the 11th Linguistic Annotation Workshop (pp. 82-90).

ADDITIONAL EXPERIENCE, AWARDS AND CERTIFICATES

- **Organized practical sessions** in two editions of the Intl' Summer School of Data Science in Split - *Random Forests and Gradient Boosting* (2016) and *Generative Adversarial Networks* (2017);
- **Attended LXMLS 2016** and *MLSS Tübingen 2017*;
- **Cambridge English CPE (2009) and CAE (2008) certificates.**

TECHNICAL SKILLS AND INTERESTS

- **Programming languages:** Python; Java; C++; JavaScript; LaTeX
 - **Interest areas:** Representation Learning, Deep Learning, Natural Language Processing
 - **Specific interests:** (Multi-prototype) Word Representations, Word Compositionality, Bayesian Nonparametrics, Memory Networks, Sequence Modelling
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ABOUT ME

I am a 27 year old PhD student in Computer Science. I was born in Zagreb on the 16th of October 1990. Ever since I was a kid I was interested in logical problems and puzzles, chess and computers, which led me to the Faculty of Electrical Engineering and Computing.

There I have specialised in machine learning, mostly with applications to textual data and in combination with information retrieval and natural language processing - which are the key areas of research of my PhD.

More concretely, I focus on learning multi-prototype word representations and exploring how the representations of lower level linguistic units affect representation learning of higher level units such as sentences, paragraphs or whole texts through compositionality. I also dabble in various areas of deep learning and religiously use nonparametric models with occasional successes.

I spend a modest amount of time reading and playing chess. My favourite writer is Kurt Vonnegut and my favourite chess opening is the Sveshnikov. I enjoy sports and often run, swim and play football or squash. I have completed four half-marathons and am training for a triathlon.