TEEMU PÖYHÖNEN

Language Technology Student

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OBJECTIVE

I'm eager to learn and further my skills with deep learning and NLP using the modern Transformers architecture and BERT models. I hope to solve real-world problems with these metods, especially within the multi-cultural context of English.

EDUCATION

Helsinki University
Bachelor's Programme in Languages (English)
2017 – 2020

Master's Programme Linguistic Diversity in the Digital Age
2020 – 2022

COURSES

MA

Computational Semantics, grade 5
Introduction to Deep Learning, grade 5
Models and Algorithms in NLP-applications, grade 4
Philosophy of AI, grade 5

BA

Machine Learning for Linguists, grade 4
Building NLP Applications, grade 4
Command-line Course, grade 4

PROGRAMMING

Python
NLTK, PyTorch, Spacy, Matplotlib, Gensim, Flask

UNIX shell

Git

PROJECTS

For my Bachelor's thesis, I used diachronic word embeddings as my methodology to research semantic change.

I have fine-tuned RoBERTa for multi-label text classification with imbalanced dataset of 126 labels and 300,000 instances.

I have also created a TFIDF proverb search engine (with stemming), and set it up running using Flask.

EXPERIENCE

2020 -
NLP engineer • Hetki.ai

2019 - 2020
Sound Design • Team Lead • Humanistispeksi ry

2012
Face to Face Marketing • Team Lead • HelsinkiMissio

MOTIVATIONS

I have some experience in applying and testing NLP applications, yet I would like to participate more in developing deep learning architectures and fine-tuning pre-trained models. I hope my linguistic and humanistic point of view contributes to the analysis of these models and the process of building them.

I really hope to work within a multi-disciplinary work environment where an expert in their own field is respected and trusted for their opinion. In this way, I would like to learn from new perspectives and points of view that I haven't considered before.