

SAMANTHA TURESKI

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Education

M.Sc. Machine Learning – Eberhard Karls University of Tübingen	2019 - 2021
B.A. Computational Linguistics – Eberhard Karls University of Tübingen	2016 - 2019
B.A. Computer Science and Linguistics (129 ECTS) – Trinity College Dublin	2014 - 2016

Skills

Programming

Python with Pandas and Numpy, Flask, Java, PostgreSQL, Node.js, AWS

Machine Learning

scikit-learn, Keras, Torch, Tensorflow 2.0, Transformers

NLP/Linguistics

BERT, librosa, NLTK, word embeddings, Bayesian approaches, Stanford CoreNLP, Praat, acoustic theory, spaCy, parsing, phonetics, lexc/xfst, corpus annotation, WordNet, Universal Dependencies

Publications

[CyberWalle at SemEval-2020 Task 11: An Analysis of Feature Engineering for Ensemble Models for Propaganda Detection](#)

[ViSpa \(Vision Spaces\): A computer-vision-based representation system for individual images and concept prototypes, with large-scale evaluation \(In Review\)](#)

Workshop: [“Automatic segmentation and annotation of strongly reduced words”](#)

Experience

Research Assistant - Psychology Dept., Tübingen, DE

Jan '21 - present

- Developing an online interface to visualize semantic distances between word embeddings and images with Python, Flask, and CoffeeScript

AI Intern - IBM, Böblingen, DE

Jul '20 - Dec '20

- Implemented a command prediction tool and corresponding REST API for mainframe computers with Python, Flask, Node.js, and Docker

Machine Learning Research Assistant- University of Tübingen, DE

Dec '19 - Jul '20

- Assisted in the setup of virtual self-driving car experiments under the supervision of Dr. Zeynep Akata

NLP Intern - Aurora: AI-Assisted Assessments, Remote

Aug '19 - Sep '19

- Developed machine learning approaches to automatically create assessments from K-12 educational texts at Singapore-based start-up; using Python, Flask, AWS SageMaker

Research Assistant - Quant. Linguistics Dept., Tübingen, DE

Dec '17 - Aug '18

- Developed a deep learning system for automatic phone/segment recognition in German using Python, Keras, Tensorflow, R, computer vision principles
- Annotated Karl Eberhards Corpus of Spontaneously Spoken Southern German in Praat

[Software Intern - the FeedBook Project, Tübingen, DE](#)

Aug '17 - Oct '17

- Built an out of vocabulary (OOV) and spelling suggestion tool in online workbook for English learners using Java, GWT, UIMA, DKPro

English Language Teacher - italki.com, Kraków, PL

Mar '13 - Sep '14

- taught hundreds of conversational English lessons; top reviews and high client loyalty

Hobbies

Volunteering on permaculture farms, juggling, cycling, playing the trumpet, travel