

# Gregor Geigle

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## EDUCATION

### Ongoing: Ph.D., Computer Science, University of Würzburg

2022 - ongoing

Supervisors: Prof. Goran Glavaš, Prof. Radu Timofte

Topic: Multimodal and multilingual vision+language learning

### M.Sc., Computer Science, TU Darmstadt

2019 - 2021

Focus: Machine Learning, NLP, Deep Learning

Subsidiary Subject: Stochastics (Financial Mathematics)

Master Thesis: *Cooperative and Joint Approaches for Improved Cross-Modal Retrieval* (Grade 1.0)

Grade 1.2

### B.Sc., Computer Science, TU Darmstadt

2015 - 2019

Focus: Machine Learning, Deep Learning

Bachelor Thesis: *CNN-based Reward Learning for Multi-Document Summarization* (Grade 1.7)

Grade 1.7

## PUBLICATIONS

### Published

Chen Cecilia Liu, *Gregor Geigle*, Robin Krebs, Iryna Gurevych. [FigMemes: A Dataset for Figurative Language Identification in Politically-Opinionated Memes](#). EMNLP, 2022

*Gregor Geigle*, Jonas Pfeiffer, Nils Reimers, Ivan Vulic, Iryna Gurevych. [Retrieve Fast, Rerank Smart: Cooperative and Joint Approaches for Improved Cross-Modal Retrieval](#). ACL, 2022

Tim Baumgärtner, Kexin Wang, Rachneet Sachdeva, Max Eichler, *Gregor Geigle*, Clifton Poth, Hannah Sterz, Haritz Puerto, Leonardo F. R. Ribeiro, Jonas Pfeiffer, Nils Reimers, Gözde Gül Şahin, Iryna Gurevych. [UKP-SQUARE: An Online Platform for Question Answering Research](#). ACL

## PROGRAMMING

Python  
JavaScript  
Java

## FRAMEWORKS

PyTorch  
Transformers  
Matplotlib  
Flask/ FastAPI  
Vue.js

## TECHNOLOGY

Linux  
Docker  
Kubernetes  
ElasticSearch

## LANGUAGES

German - Native  
English - Fluent

Demo Track, 2022

Jonas Pfeiffer, *Gregor Geigle*, Aishwarya Kamath, Jan-Martin O. Steitz, Stefan Roth, Ivan Vulić, Iryna Gurevych. [xGQA: Cross-Lingual Visual Question Answering](#). Findings of ACL, 2022

Andreas Rücklé, *Gregor Geigle*, Max Glockner, Tilman Beck, Jonas Pfeiffer, Nils Reimers, Iryna Gurevych. [AdapterDrop: On the Efficiency of Adapters in Transformers](#). EMNLP, 2021

*Gregor Geigle*, Jonas Stadtmüller, Jonas Pfeiffer, Wei Zhao, Steffen Eger. [TuDA at WMT21: Sentence-level direct assessment with adapters](#). WMT, 2021

## Preprint

*Gregor Geigle*, Chen Liu, Jonas Pfeiffer, Iryna Gurevych. [One does not fit all! On the Complementarity of Vision Encoders for Vision and Language Tasks](#). arXiv preprint, 2022

*Gregor Geigle*, Nils Reimers, Andreas Rücklé, Iryna Gurevych. [TWEAC: Transformer with Extendable QA Agent Classifiers](#). arXiv preprint, 2021

## WORK EXPERIENCE

### UKP Lab, Darmstadt — *Researcher*

2021 - 2022

Research internship on multimodal vision+language works with a sub-focus on memes resulting in two work: [FigMemes](#), [One does not fit all](#)

### UKP Lab, Darmstadt — *Student Research Assistant*

2019 - 2021

Research and development work for multiple projects

Projects: [sentence-transformers](#) (initial release); [UKP SQuARE](#) (initial release of the backend, frontend, and model API); [TWEAC](#)

Research Topics: Sentence Embeddings, Adapters, QA

Tech: PyTorch, Elasticsearch, full-stack web application (FastAPI, Vue.js), Docker, CICD integration

### IBM, Frankfurt — *Working Student*

2018 - 2019

Full-stack web application for document exploration

Tech: Java, JavaScript, Docker, Kubernetes, OCR