Mark-Matthias Zymla | CV

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Doctoral computational linguist completing the final year of a PhD program. Passionate about machine language processing, with strong analytical, technical, creative, and interpersonal skills for working in a team and successfully completing a project.

Previous Employment

University of Konstanz **Konstanz**
Research assistant – Employed by Maribel Romero *Mar 2018 (ongoing)*

Goal of this position is to finish my PhD thesis.

University of Konstanz **Konstanz**
Research assistant – XPRAG: BiasQ: Bias in Polar Questions *Dec 2017 – Mar 2018*

Assistance in developing web experiments, e.g. experiments posted on Mechanical Turk. This included web development (html, javaScript) and programming in python.

University of Konstanz **Konstanz**
PhD position – Tense and Aspect in Multilingual Semantic Construction *Nov 2014 – Nov 2017*

This is the project that initially supported my PhD research on tense and aspect cross-linguistically. It involved research on morphosyntax, semantics and pragmatics of tense and aspect across languages and the implementation of an adequate annotation system thereof.

University of Konstanz **Konstanz**
Student assistant; Prof. Maribel Romero *2014*

Work as part of research initiative LingVisAnn at the University of Konstanz. The main task was literature research.

Univeristy of Konstanz **Konstanz**
Teaching assistant; Prof. Kerstin Mahlow *2013-2014*

Tutoring the course *Computational Semantics* at the University of Konstanz.

Univeristy of Konstanz **Konstanz**
Teaching assistant; Prof. Doris Penka *2013*

Tutoring the course *Semantik 1* (introduction to formal semantics) at the University of Konstanz.

Univeristy of Konstanz **Konstanz**
Student assistant; Prof. Maribel Romero *2013*

Work on a learning software for formal semantics, the *Lambda Calculator*. This involved testing of the system and bug fixing in Java.

Fraunhofer IPA **Stuttgart**
Internship *2013*

Obligatory internship for my B.A. in linguistics. My main tasks consisted of public relations work (creating representational posters, planning of work meetings and data collection), translation and editing of work documents.

Hospital of Konstanz **Konstanz**
Part-time job *2010–2011*

I assisted in the kitchen of the hospital in Konstanz as a part-timer to help fund my B.A.. This included work with the kitchen team and delivery of tableware within the hospital.

Education

Academic Qualifications

○
University of Konstanz **Konstanz**
PhD in computational linguistics, estimated finish in late 2018/early 2019 *2014 – now*

○
University of Konstanz **Konstanz**
M.A. Speech and language processing , Grade: 1.3 *2012–2014*

○
University of Konstanz **Konstanz**
B.A. Linguistics, Grade: 2.2 *2008–2012*

○
Max-Born Gymnasium **Backnang**
Abitur, Average grade: 2.7 *1999–2008*

Notable Projects

○ **Reading Group** *'SuP reading group on semantics and pragmatics at the University of Konstanz*

I am co-founder of the 'SuP (Semantik und Pragmatik Konstanz) reading group (together with Andreas Walker and Felicitas Enders). The reading group provides the possibility to exchange ideas on current formal linguistic research. Furthermore, it represents the department of linguistics internationally, having hosted several talks from PhD students and post-doctoral researchers all over the world.

○ **Organizing committee** *The Semantics of African, Asian and Austronesian Languages (TripleA 5)*

I co-organized the TripleA workshop for semantic field workers at the university of Konstanz together with Ryan Bochnak, Miriam Butt and Erlinde Meertens.

Technical and Personal Skills

○ **Programming Languages:** Proficient in: Java, Python, Pearl, Prolog
Also basic ability with: R, HTML, JavaScript

○ **Industry Software Skills:** MS Office products, LATEX

○ **Further Skills:** Good presentation skills, works well in a team.

Interests and Extra-Curricular Activity

○ I'm particularly interested in traditional and modern martial arts and have practiced several of them over the years. I'm mainly dedicated to Bujinkan Budo taijutsu, which involves teachings in armed and hand-to-hand combat as well as self-defense strategies. Notably, I also have organized four martial arts seminars until now.

○ With respect to athletic activities, I'm also interested in rock climbing, hiking and swimming

○ I have a broad interest in both technological and cultural advances mostly driven by research on the internet. This includes a very wide range of topics such as literature, video games, cinematography, political and social constructs, biology, chemistry, physics, programming, machine learning and everything in between.

Publications

Moritz Meßmer and Mark-Matthias Zymla. The Glue Semantics Work Bench: A Modular Toolkit for Exploring Linear Logic and Glue Semantics. In *The 23th International Lexical Functional Grammar Conference: LFG18*, to appear.

Mark-Matthias Zymla. *Extraction and Analysis of Non-Canonical Questions from a Twitter Corpus*. PhD thesis, MA thesis, University of Konstanz, 2014.

Mark-Matthias Zymla. Comprehensive Annotation of Cross-Linguistic Variation in Tense and Aspect Categories. In *IWCS 2017–12th International Conference on Computational Semantics-Long papers*, 2017.

Mark-Matthias Zymla. Annotation of the Syntax/Semantics interface as a Bridge between Deep Linguistic Parsing and TimeML. In *Proceedings 14th Joint ACL-ISO Workshop on Interoperable Semantic Annotation*, pages 53–59, 2018.

Mark-Matthias Zymla, Maike Müller, and Miriam Butt. Modelling the Common Ground for Discourse Particles. In *The 20th International Lexical Functional Grammar Conference: LFG15*, pages 420–440, 2015.

Mark-Matthias Zymla and Sebastian Sulger. Cross-Linguistically Viable Treatment of Tense and Aspect in Parallel Grammar Development. In *The 22th International Lexical Functional Grammar Conference: LFG17*, 2017.

Selected Talks and Posters:

- Zymla, Mark-Matthias. 2016. Linguistic Variation in the Realization of Rhetorical Questions – Providing Semantics and Pragmatics for German RQs. *DGfS 2018 – 40. Jahrestagung der Deutschen Gesellschaft für Sprachwissenschaft*.

- Zymla, Mark-Matthias. 2018. Storing and Visualizing Semantic Annotation for Treebank Applications. *DGfS 2018 – 40. Jahrestagung der Deutschen Gesellschaft für Sprachwissenschaft*.

- Zymla, Mark-Matthias. 2017. Cross-Linguistic Annotation of Tense and Aspect Syntax and Semantics. Nuance Communications Inc. Sunnyvale, CA.

- Zymla, Mark-Matthias. 2017. Annotating Cross-Linguistic Variation of Tense and Aspect Systems. *SemVerbMorph1 2017 – The Semantics of Verbal Morphology in Under-Described Languages*.

- Zymla, Mark-Matthias. 2016. Annotating Tense and Aspect - A Cross-Linguistic Perspective. *TAM-E 2016 – Tense, Aspect, Modality, Evidentiality: Comparative, Cognitive, Theoretical and Applied Perspectives*.

- Butt, Miriam and Mark-Matthias Zymla. 2016. Parallel, Crosslinguistic Semantic Annotation of Tense and Aspect with INESS. INESS workshop: Reaching out to Users Solstrand, June 15-16 2016.

- Zymla, Mark-Matthias and Maike Müller. 2016. An XLE-based Pragmatic Parser. *DGfS 2016 – 38. Jahrestagung der Deutschen Gesellschaft für Sprachwissenschaft*.

- Zymla, Mark-Matthias. 2016. Pragmatic Inferencing via Abstract Knowledge Representation in LFG . *DGfS 2016 – 38. Jahrestagung der Deutschen Gesellschaft für Sprachwissenschaft*.

- For further posters and talks I refer to:
  http://ling.uni-konstanz.de/pages/home/zymla/publications.html