

## Personal Information

<b>Date of Birth</b>	26 December 1987	<b>Phone</b>	+45 5029 3185
<b>Nationality</b>	German	<b>Address</b>	Dept. of Computer Science
<b>Homepage</b>	<a href="http://jbingel.github.io">http://jbingel.github.io</a>		Universitetsparken 5
<b>Email</b>	bingel@di.ku.dk		DK-2100 Copenhagen

## Education

**University of Copenhagen, Denmark** since 2015  
Ph.D. in Language Technology  
Project Title: *Adaptive Text Simplification for Dyslexia*

**University of Heidelberg, Germany** 2012 - 2015  
M.A. in Computational Linguistics, Minor in German Linguistics  
Thesis Title: *Instantiation and Implementation of a Corpus Query Lingua Franca*  
Overall Grade: *Pass with Distinction* (1.1 in German grading scheme)

**University of Uppsala, Sweden** 2010 - 2011  
Erasmus stipend  
Undergraduate courses in Computational Linguistics, Swedish and English Linguistics

**University of Heidelberg, Germany** 2008 - 2012  
B.A. in Computational Linguistics, Minor in English Linguistics  
Thesis Title: *A Semantic Classification of Adverbs*  
Overall Grade: *Pass with Distinction* (1.2 in German grading scheme)

## Employment and Internships

**Amazon Research** October 2017 - December 2017  
*Research Intern* Berlin, Germany  
Working on adaptive lexical simplification

**University of Sheffield** February 2017 - May 2017  
*Visiting Researcher* Sheffield, UK  
Working on adaptive text simplification with Lucia Specia

**Institute for the German Language (IDS)** June 2012 - March 2015  
*Research Associate* Mannheim, Germany  
Member of the KorAP project (Development of a next-generation corpus analysis platform)  
Development of a conversion suite to translate queries to a meta format  
Corpus processing, including curation, training and evaluation of processors, with the objective of tagging DeReKo, a very large (24 billion words) and unbalanced reference corpus of German  
Implementation and maintenance of an institutional document repository

**Department of Computational Linguistics** October 2009 - February 2012  
*Teaching Assistant* Heidelberg, Germany

Introduction to Computational Linguistics (2011/12)  
Formal Syntax (2010)  
Mathematical Foundations of Linguistics (2009/10)

**Institute for the German Language (IDS)**  
Research Intern

August 2011 - September 2011  
Mannheim, Germany

Conversion of a corpus of historical newspaper texts from typographic markup into XML  
Experiments with Google NGrams to inform the institute's data release policy

## Publications

- Bollmann, M., **Bingel, J.** and Søgaard, A. (2017): *Learning attention for historical text normalization by learning to pronounce*. In ACL 2017. Vancouver, Canada.
- Bingel, J.** and Søgaard, A. (2017): *Beneficial task relations for multi-task learning in deep neural networks*. In EACL 2017. Valencia, Spain.
- Bingel, J.**; Barrett, M. and Søgaard, A. (2016): *Extracting token-level signals of syntactic processing from fMRI - with an application to PoS induction*. In ACL 2016. Berlin, Germany.
- Bingel, J.** and Søgaard, A. (2016): *Text simplification as tree labeling*. In ACL 2016. Berlin, Germany.
- Barrett, M.; **Bingel, J.** and Søgaard, A. (2016): *Part-of-speech Induction from eye-tracking data*. In ACL 2016. Berlin, Germany.
- Diewald, N.; Hanl, M.; Margaretha, E.; **Bingel, J.**; Kupietz, M.; Banski, P. and Witt, A. (2016): *KorAP Architecture – Diving in the Deep Sea of Corpus Data*. In LREC 2016. Portoroz, Slovenia.
- Bingel, J.**; Schluter, N. and Martínez Alonso, H. (2016). *The importance of designing your Neural Networks right*. In *SemEval 2016 Shared Task 11: Complex Word Identification*. San Diego, California.
- Bingel, J.** and Diewald, N. (2015). *KoralQuery – A General Corpus Query Protocol*. In: *Innovative Corpus Query and Visualization Tools at NODALIDA 2015*. Vilnius, Lithuania.
- Bingel, J.** and Haider, T. (2014). *Named-Entity Tagging a Very Large Unbalanced Corpus. Training and Evaluating NE classifiers*. In: N. Calzolari, K. Choukri, et al. (eds.). *Proceedings of the Ninth International Conference on Language Resources and Evaluation (LREC'14)*. Reykjavik, Iceland.
- Fiedler, N.; Werthmann, A.; Stührenberg, M.; Schonefeld, O.; **Bingel, J.** and Witt, A. (2014). *Forschungsinfrastrukturen in außeruniversitären Forschungseinrichtungen*. Research Report. <http://hdl.handle.net/10932/00-0230-5FEB-262D-CA01-8>
- Bański, P.; **Bingel, J.**; Diewald, N.; Frick, E.; Hanl, M.; Kupietz, M.; Pezik, P.; Schnober, C. and Witt, A. (2013). *KorAP: the new corpus analysis platform at IDS Mannheim*. In Z. Vetulani and H. Uszkoreit (eds.). *Human Language Technologies as a Challenge for Computer Science and Linguistics. Proceedings of the 6th Language and Technology Conference*. Poznań.

## Professional Activities

<b>Teaching (as course instructor)</b>	M.Sc. class Scientific Programming (2016)
<b>Supervision</b>	B.Sc. thesis <i>Fixation prediction in reading</i> M.Sc. thesis <i>Script generation for movies</i> M.Sc. thesis <i>Detecting depression in social media data</i>
<b>Reviewing</b>	ACL (2017), EMNLP (2017), CoNLL (2017), WWW (2017), WiNLP (2017), Nodalida (2017), Coling (2016), CL4LC (2016), SemEval (2016)
<b>Summer schools</b>	LxMLS 2016
<b>Others</b>	Handbook Chair and Member of Local Organizing Committee (EMNLP 2017)

## Scholarships

<b>2015</b>	Ph.D. scholarship from the University of Copenhagen, funded by Trygfonden
<b>2010</b>	Erasmus stipend for 10-months stay in Uppsala, Sweden

## Technical Strengths

<b>Programming &amp; Scripting</b>	Java, Python, Matlab, PHP, Javascript, C++, Bashscript
<b>Software Development</b>	SVN, Git, Maven, Eclipse
<b>Others</b>	TensorFlow, Apache Tomcat, PostgreSQL, Unix, TeX, MapReduce, Jupyter

## Languages

<b>German</b>	native	<b>Catalan</b>	B2
<b>English</b>	C2	<b>Spanish</b>	B1
<b>Swedish</b>	C2	<b>French</b>	A2
<b>Danish</b>	C1	<b>Latin</b>	high proficiency

Levels according to Common European Framework of Reference

## References

Prof. Anders Søgaard, Department of Computer Science, University of Copenhagen. PhD thesis advisor. [soegaard@di.ku.dk](mailto:soegaard@di.ku.dk)

Prof. Dr. Anette Frank, Department of Computational Linguistics, University of Heidelberg. BA thesis advisor and course responsible in two of the classes for which I was a teaching assistant. [frank@cl.uni-heidelberg.de](mailto:frank@cl.uni-heidelberg.de)

Prof. Dr. Andreas Witt, Institute for the German Language (IDS), Mannheim. MA thesis advisor and head of department during my employment at IDS. [witt@ids-mannheim.de](mailto:witt@ids-mannheim.de)

Prof. Lucia Specia, Department of Computer Science, University of Sheffield. Host during abroad stay in Sheffield 2017. [lspecia@shef.ac.uk](mailto:lspecia@shef.ac.uk)

Assoc. Prof. Dirk Hovy, Department of Computer Science, University of Copenhagen. [dirk.hovy@di.ku.dk](mailto:dirk.hovy@di.ku.dk)