

# JIRI HANA

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## SUMMARY OF QUALIFICATIONS

- Research and teaching experience in computational and theoretical linguistics.
- Ten years software development experience in academic and industrial settings.
- Fluent in Java, SAS, C++, SQL; experience with Haskell, Prolog, MS Access, Visual Basic, XML.
- Fluent in Czech and English; some knowledge of German, French, Russian, Esperanto.

## PROFESSIONAL EXPERIENCE

**Freelance Software Developer**, 1996/4-present.

- Sole developer of an integrated environment for morphological annotation, 2005-present.
- Lead developer of an electronic ordering system for electrical equipment, 1997-1998.  
Hundreds of installations in more than 15 languages.
- Sole developer of a tool for morphological annotation, 1996.  
Tool used to annotate over a million words of the Prague Dependency Treebank, as well as Arabic, Polish and Russian corpora.

**Research and Teaching Associate**, The Ohio State University, Columbus, Ohio, 2002/9-2006/8

- Developed a set of tools for morphological analysis.  
Includes an open and efficient system for morphological analysis of inflectional languages, automatic acquisition of lexicons and abbreviations, tools for detailed evaluation, corpora processing and tagging.
- Created, modified, and tested programs for statistical analysis of child obesity with missing data.
- Participated in development of Higher Order Grammar, a formalism based on higher-order logic.
- Taught undergraduate linguistic courses.

**Researcher**, Charles University, Prague, Czechia, 1998/10-2001/8.

- Developed and adapted guidelines for morphological annotation.
- Designed and implemented modules for computer generation of Czech.

**Freelance translator**, 1996/10-2001/8.

- Translated computer manuals and tourist guides from English or German into Czech.

## EDUCATION

**Ph.D. Candidate in Linguistics**, The Ohio State University, Columbus, Ohio, expected 2007.

**Doctoral Degree in Computer Science**, Charles University, Prague, Czechia, 2001.

**Master Degree in Computer Science**, Summa cum laude, Charles University, Prague, Czechia, 1998.

## HONORS

- Presidential Fellowship, The Ohio State University, 2006-2007.
- Fulbright Fellowship, 2001-2006.
- Award in Recognition of Excellence in Teaching Linguistics 200 Level Courses, The Ohio State University, 2003.
- University Fellowship, The Ohio State University, 2001-2002.

**SELECTED PUBLICATIONS**

- Hana, J., A. Feldman, L. Amaral, and C. Brew (2006). Tagging Portuguese with a Spanish Tagger Using Cognates. In Proceedings of the Workshop on Cross-language Knowledge Induction, 11th Conference of the European Chapter of the Association for Computational Linguistics (EACL-2006), Trento, Italy.
- Hana, J. (2004). Czech clitics in Higher Order Grammar. In A.D. Sims and M. Whiting (Eds.), Working Papers in Slavic Studies, Volume 3, Columbus, Ohio.
- Hana, J., A. Feldman, and C. Brew (2004). A Resource-light Approach to Russian Morphology: Tagging Russian using Czech resources. In Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP) 2004, Barcelona, Spain.
- Pollard, C. and J. Hana (2003). Ambiguity, neutrality, and coordination in Higher Order Grammar. In G. Jaeger, P. Monachesi, G. Penn, and S. Wintner (Eds.), Proceedings of Formal Grammar, Wien.
- See <http://ling.osu.edu/~hana/bib.html> for a complete list of publications

References available upon request.