

# Goran Glavaš

## Curriculum Vitae

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University of Mannheim  
School of Business Informatics and Mathematics  
Data and Web Sciences Group (DWS)

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*Web:* [dws.informatik.uni-mannheim.de/en/people/researchers/dr-goran-glavas/](https://dws.informatik.uni-mannheim.de/en/people/researchers/dr-goran-glavas/)

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### PERSONAL INFORMATION

Date of birth: August 25, 1986

Sex: Male

Nationality: Croatian

### EDUCATION

#### **PhD in Computer Science**

April 2014

University of Zagreb, Croatia

Faculty of Electrical Engineering and Computing

*Thesis:* Information Extraction and Retrieval Based on Event Graphs

*Supervisor:* Jan Šnajder

#### **M.Sc. in Computing (Software Engineering)**

June 2010

University of Zagreb, Croatia

Faculty of Electrical Engineering and Computing

*Thesis:* Information System for Tracking of Marine Mammals

*Grade avg.:* 5.00 (1–5 scale), *summa cum laude*

#### **B.Sc. in Computing (Software Engineering)**

June 2008

University of Zagreb, Croatia

Faculty of Electrical Engineering and Computing

*Thesis:* Database for Tracking Financial Business Activities of a Company

*Grade avg.:* 5.00 (1–5 scale), *summa cum laude*

### RESEARCH INTERESTS

#### **General interests**

- Natural language processing/Computational linguistics
- Text analytics
- Information retrieval
- Machine learning

#### **Specific interests**

- Information extraction (events and entities)
- Computational semantics (similarity, paraphrasing)
- Sentiment analysis
- Text summarization and simplification

### WORK EXPERIENCE

#### **Postdoctoral researcher**

October 2015 – present

University of Mannheim, Germany

Faculty of Business Informatics and Mathematics

Data and Web Sciences Group (DWS)

**Postdoctoral researcher** May 2014 – September 2015  
 University of Zagreb, Croatia  
 Faculty of Electrical Engineering and Computing  
 Text Analysis and Knowledge Engineering Lab (TakeLab)

**Data mining analyst** January 2014 – October 2014  
 European Research Area Impact Assessment Expert Group  
 European Commission  
 Directorate General for Research & Development

**Visiting researcher** September 2013 – October 2013  
 KU Leuven, Belgium  
 Computer Science Department  
 Language Intelligence and Information Retrieval Group (LIIR)

**Research assistant** May 2011 – April 2014  
 University of Zagreb, Croatia  
 Faculty of Electrical Engineering and Computing  
 Text Analysis and Knowledge Engineering Lab (TakeLab)

**Software developer** October 2010 – April 2011  
 Secom d.o.o., Rijeka, Croatia

## PROJECTS

### Research projects

- SenseHive: Dynamic Crowdsourcing Models for Incremental Construction of Lexico-Semantic Resources 2015 – present  
*Funding:* Croatian Science Foundation
- Event Retrieval Based on Semantically Enriched Structures for Interactive User Tasks (EVERBEST) 2015 – present  
*Funding:* Unity through Knowledge Fund
- Intelligent Text Analyzer 2011 – 2012  
*Funding:* Croatian Institute of Technology
- Multilingual and Multifaceted Interactive Information Access 2011 – 2014  
*Funding:* EU COST Action (IC1002)
- Knowledge Discovery in Textual Data 2011 – 2013  
*Funding:* Croatian Ministry of Science, Education, and Sports

### Industry projects

- Enterprise document management system for stock brokers 2015 – present  
*Partner:* Enbekon EDS GmbH, Puchheim, Germany (data providing)
- IE from German Legal and Financial Documents 2014 – present  
*Partner:* Enbekon EDS GmbH, Puchheim, Germany (data providing)
- IE from Police Reports for Detecting Car Insurance Frauds 2014  
*Partner:* Comminus d.o.o., Zagreb, Croatia (business intelligence)
- Named Entity Recognition from News in Croatian 2012  
*Partner:* Presscut d.o.o., Zagreb, Croatia (press-clipping agency)

### NLP systems

- MINERAL – Disorder Extraction and Normalization in Clinical Text 2015  
*Demo:* [takelab.fer.hr/mineral](http://takelab.fer.hr/mineral)
- TweetingJay – System for Detecting Paraphrases in Twitter 2014  
*Web:* [takelab.fer.hr/tweetingjay](http://takelab.fer.hr/tweetingjay)

- TakeLab System for Semantic Textual Similarity (STS) 2012  
Web: [takelab.fer.hr/sts](http://takelab.fer.hr/sts)
- CroNER – Named Entity Recognition and Classification for Croatian 2012  
Demo: [takelab.fer.hr/CroNER](http://takelab.fer.hr/CroNER)

## SELECTED PUBLICATIONS

### International journals

- Glavaš, G., Šnajder, J. (2014) Construction and Evaluation of Event Graphs. *Natural Language Engineering* (in press, DOI: 10.1017/S1351324914000060).
- Glavaš, G., Šnajder, J. (2014) Event Graphs for Information Retrieval and Multi-Document Summarization. *Expert Systems with Applications*, 41 (15), 6904–6916.

### Conference proceedings

- Glavaš, G., Štajner, S. (2014) Simplifying Lexical Simplification: Do We Need Simplified Corpora? Proceedings of the 53rd Annual Meeting of the Association for Computational Linguistics (ACL 2015), Beijing, 63–68.
- Glavaš, G., Šnajder, J. (2014) Constructing Coherent Event Hierarchies from News Stories. Proceedings of the 9th Workshop on Graph-based Methods for Natural Language Processing (TextGraphs-9), EMNLP, Doha, 34–38.
- Glavaš, G., Šnajder, J., Moens, M.F., Kordjamshidi, P. (2014) HiEve: A Corpus for Extracting Event Hierarchies from News Stories. Proceedings of the 9th International Conference on Language Resources and Evaluation (LREC 2014), Reykjavik, 3678–3683.
- Glavaš, G., Šnajder, J. (2013) Event-Centered Information Retrieval Using Kernels on Event Graphs. Proceedings of the 8th Workshop on Graph-Based Methods in Natural Language Processing (TextGraphs-8), EMNLP, Seattle, 1–5.
- Glavaš, G., Štajner, S. (2013) Event-Centered Simplification of News Stories. Proceedings of the Student Research Workshop at the 9th International Conference on Recent Advances in Natural Language Processing (RANLP 2013), Hissar, 71–78. **Best Paper Award.**
- Glavaš, G., Šnajder, J. (2013) Recognizing Identical Events with Graph Kernels. Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (ACL 2013), Sofia, 797–803.
- Glavaš, G., Korenčić, D., Šnajder, Jan. (2013) Aspect-Oriented Opinion Mining from User Reviews in Croatian. Proceedings of the 4th Biennial International Workshop on Balto-Slavic Natural Language Processing (BSNLP 2013), ACL, Sofia, 18–23.
- Šarić, F., Glavaš, G., Šnajder, J., Dalbelo Bašić, B. (2012) TakeLab: Systems for Measuring Semantic Text Similarity. Proceedings of the First Joint Conference on Lexical and Computational Semantics (\*SEM), Montreal, 441–448.
- Glavaš, G., Šnajder, J., Dalbelo Bašić, B. (2012) A Hybrid Corpus-Based Approach to Sentiment Lexicon Acquisition. Proceedings of the Workshop on Innovative Hybrid Approaches to the Processing of Textual Data (Hybrid2012), EACL, Avignon, 1–9.

A complete list of publications is available from: [takelab.fer.hr/goran](http://takelab.fer.hr/goran)

SHARED TASKS	<p>Participated in the following shared task evaluations as a member of the Text Analysis and Knowledge Engineering Lab (TakeLab):</p> <p>SemEval 2012 Task 6 on Predicting Semantic Similarity of Short Texts (STS)  <i>Ranking:</i> 2nd out of 31 teams</p> <p>SemEval 2015 Task 1 on Identifying Paraphrases in Twitter  <i>Ranking:</i> 5th out of 18 teams</p> <p>SemEval 2015 Task 14 on Clinical Information Extraction  <i>Ranking:</i> 4th out of 16 teams</p>
TEACHING EXPERIENCE	<p><b>Lecturer</b>  University of Zagreb, Faculty of Electrical Engineering and Computing</p> <ul style="list-style-type: none"> <li>• Text Analysis and Retrieval (Spring 2014 and 2015)</li> <li>• Artificial Intelligence (Spring 2015)</li> </ul> <p><b>Teaching assistant</b>  University of Zagreb, Faculty of Electrical Engineering and Computing</p> <ul style="list-style-type: none"> <li>• Artificial Intelligence (Spring 2012, 2013, and 2014)</li> <li>• Machine Learning (Fall 2012, 2013, and 2014)</li> <li>• Soft Computing (Fall 2011, 2012, 2013, and 2014)</li> </ul> <p><b>Thesis supervision</b>  Assisted in supervision of eight bachelor and master theses.</p>
PROFESSIONAL SERVICE	<ul style="list-style-type: none"> <li>• Reviewer for international journals: Journal of Computing and Information Technology (ISSN: 1330-1136), Engineering Review (ISSN: 1330-9587), Information Sciences (ISSN: 0020-0255) and Expert Systems with Applications (ISSN: 0957-4174)</li> <li>• Program committee member of international scientific conferences: EMNLP 2016, RANLP 2015, EACL 2014, RANLP 2013</li> <li>• Member of professional associations: ACL, SIGSLAV, AMAC-FER</li> </ul>
AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none"> <li>• MUMIA Cost Action short-term scientific mission (STSM) Grant June 2013</li> <li>• PhD Scholarship, Faculty of Electrical Engineering and Computing October 2010</li> <li>• “Josip Lončar” Award for Excellence in Studies 1st year of Master programme in Computing November 2009</li> <li>• “Josip Lončar” Plaque for Exceptional Bachelor Studies Result Bachelor programme in Computing November 2008</li> <li>• “Josip Lončar” Award for Excellence in Studies 2nd year of Bachelor programme in Computing November 2007</li> <li>• “Josip Lončar” Award for Excellence in Studies 1st year of Bachelor programme in Computing November 2007</li> </ul>

- First Place Award at National Competition in Mathematical Logic  
May 2004
- Praise Award at National Mathematics Competition  
May 2003

## TECHNICAL SKILLS

### **Programming languages & platforms**

*Proficient:* C# & .NET Framework

*Working knowledge:* Java, C/C++, Python, SQL

### **NLP & ML libraries**

StanfordCoreNLP, OpenNLP/SharpNLP, LibSVM/LibLinear, CRFSuite

### **Operating systems**

Microsoft Windows and Linux

### **Other**

L<sup>A</sup>T<sub>E</sub>X, HTML & CSS, Microsoft Office

## LANGUAGES

Mother tongue: Croatian

Proficient: English (C2)

Other: Italian (B1)

## HOBBIES

Swimming, squash, salsa dancing

## REFERENCES

### **Assist. Prof. Jan Šnajder, PhD**

University of Zagreb Faculty of Electrical Engineering and Computing

[jan.snajder@fer.hr](mailto:jan.snajder@fer.hr)

### **Prof. Marie-Francine Moens, PhD**

KU Leuven, Department of Computer Science

[sien.moens@cs.kuleuven.be](mailto:sien.moens@cs.kuleuven.be)