Wladimir Sidorenko

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Professional Experience

09/2015-present   **Retresco GmbH**
Programmer
Projects:

- search and topic-management system for newspaper articles;
- search-optimized keyword extraction from book texts.

09/2012-2018   **University of Potsdam**
Computational linguist, PhD student
Projects:

- text-normalization module for German Twitter;
- CRF-based system for fine-grained sentiment analysis;
- Deep-Learning–based system for coarse-grained sentiment analysis;
- dictionary-, corpus-, and NWE-based generation of sentiment lexicons;
- Machine-Learning–based discourse segmenter for German texts;
- ensemble-based sense disambiguation of shallow discourse relations;
- adaptation of a text markup tool (`RSTTool`) to the annotation of multi-logues;
- supervision of sentiment and discourse annotation.

09/2005-09/2012   **Invention Machine Inc.**
Computational linguist
Projects:

- English Semantic Engine
  - named entity recognition system;
  - sentiment analysis module;

- German Semantic Engine
  - development of an extended PoS-Tagset and PoS-Dictionary for German;
  - development of a multilingual Ontology;
  - automaton-based extension to a statistical HMM-Tagger;
  - module for restoration of noun compound parts to their full forms;
  - system for an automatic detection of text authors;
  - named entity recognition system;
  - semantic engine for extraction of cause-effect relations;
  - query-analysis module for automated question answering;
  - probabilistic extension to a rule-based machine translation system;
  - DG-tree-to-string conversion module.

Education

2012-2018 **Potsdam University** Karl-Liebknecht Str. 24/25 Potsdam 14476	**Ph.D. Student in Computational Linguistics** finishing
2006-2007 **Minsk State Linguistic University** 21 Zaharova str. Minsk 220034	**M.A. in Philology with specialization in Computational Linguistics** Average grade: 4,75 out of 5
2001-2006 **Minsk State Linguistic University** 21 Zaharova str. Minsk 220034	**B.A. in German Philology** Graduation with distinction. Average grade: 4,9 out of 5

Independent Courses

- Coursera, Online Stanford Course on **Natural Language Processing** (92.8 points out of 100)

- Coursera, Online Stanford Course on **Design and Analysis of Algorithms. Part I** (98 points out of 100)

- Coursera, Online Stanford Course on **Design and Analysis of Algorithms. Part II** (86.1 points out of 100)

- Coursera, Online Stanford Course on **Automata** (Statement of Accomplishment with Distinction, 92 points out of 100)

- Coursera, Online Stanford Course on **Machine Learning** (100 points out of 100)

- Coursera, Online Ohio State University Course on **Calculus I** (differentiation and integration) (this course did not provide grading)

- Coursera, Online Ohio State University Course on **Calculus II** (sequences and series) (this course did not provide grading)