

Human Language Technologies (CS 4395) Skills Page

Technical skills:

- Basic text processing (tokenization, lemmatization, regex, removal of stopwords)
- WordNet and SentiWordNet
- N-grams for language model construction
- Sentence parsing methods (PSG trees, dependency parsing, SRL parsing)
- Web scraping with BeautifulSoup
- Naïve Bayes, Logistic Regression and Neural Networks with sklearn
- Tf-idf vectorization, cosine similarity
- RNNs, CNNs and Embeddings with tensorflow
- Technical writing

Soft skills:

- Project management and leadership
- Time management
- Organization and summarization
- Collaboration and communication
- Analytical and creative thinking
- Problem solving
- Peer reviews