



# Sebastian Lechner

✉ me@seble.info 🏠 ✖ in



## Core skills

Data Engineering Data Modeling Machine Learning Natural Language Processing  
Web Technologies Web Scraping & Crawling

## Technologies

★ Linux	Delphi	unittest	★ UIMA	WordPress	AWS
★ Git	Prolog	Junit	Spark	jQuery	Gradle
Subversion	★ UML	Mockito	spacy	Bootstrap 4	brunch.io
★ Python	HTML	PostgreSQL	OpenNLP	★ React.js	Ansible
★ Java	JSON	MySQL	IBM Watson	Angular	Docker
Scala	XML	Elasticsearch	MS LUIS	d3.js	Vagrant
★ JavaScript	YAML	MongoDB	★ Django	★ scrapy	Jenkins
PHP	CSS	★ scikit-learn	★ Django REST	Scrapinghub	
C++	SQL	★ NLTK	★ Node.js	Maven	

★ xyz ... core technology

## References

### Undisclosed research project

Data engineer (08/2019-)

- Development of machine learning-based components for a natural language processing pipeline
- Technologies: Java Python scikit-learn UIMA IBM Watson

### Deutsche Telekom AG

Computational Linguist (04/2019-7/2019)

- Maintenance of natural language machine learning models in the context of virtual assistants
- Improvements of machine learning systems for intent & entity recognition
- Technologies: MS LUIS Python

## kjero.com

Data Scientist (12/2017-3/2019)

- Implementation of an **SVM**-based statistical classifier for detecting aggressive statements in **user-generated content**
- Conceptualization & development of a machine learning system & data labeling interface for the **aspect-based sentiment analysis** of online consumer reviews (**deepopinion.ai**)
- Technologies: **Python** **scrapy** **scikit-learn** **spacy** **Django** **Django REST** **JavaScript** **React.js**

## artistry.at

Lead Developer (7/2017-11/2017)

- Full-stack development of an artist search engine
- Development of a **gradient boosting**-based component to tell apart private events from public ones and to remove duplicate events
- Technologies: **Python** **scikit-learn** **Django** **Django REST** **WordPress**

## glanos.de

Web Scraping Engineer (7/2016-6/2017)

- Administration & development of a high-performing proprietary scraping engine
- Maintenance of an extensive server infrastructure to run the engine
- Technologies: **Java** **Python** **NLTK** **scrapy**

## Centrum für Informations- und Sprachverarbeitung (CIS)

Teaching & Research Assistant (10/2014-7/2015)

- Tutoring for a lecture in the area of mathematical education (*Mathematische Grundlagen für Computerlinguisten*)
- Conceptualization of a system for the automatic extraction and summary of language content from videos
- Technologies: **Java** **UIMA** **OpenNLP**

## bea-services.de

Computational Linguist (1/2014-6/2016)

- Implementation of a **keyword extraction** system to summarize latent topics in social media natural language text content
- Extending & maintaining a **web application** to summarize & visualize analysis results
- Technologies: **Java** **UIMA** **OpenNLP** **Python**

## econob.com

Software Engineering Intern (10/2012-9/2013)

- Development of a natural language processing pipeline component to detect syntactic structures in financial news articles
- Implementation of a rule-based pipeline component to perform **named-entity recognition**
- Technologies: **Java** **UIMA** **OpenNLP**

## Education

### Ludwig-Maximilians-Universität München

M.Sc. Computational Linguistics

Focus area: Automatic text summarization

## Languages

- **German:** native language
- **English:** fluent (speaking, reading, writing)
- **Spanish:** intermediate (reading, writing); basic (speaking)