



# 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	Maven
Subversion	★ UML	Mockito	spacy	Bootstrap 4	Gradle
★ Python	HTML	PostgreSQL	OpenNLP	★ React.js	brunch.io
★ Java	JSON	MySQL	IBM Watson	Angular	Ansible
Scala	XML	Elasticsearch	MS LUIS	d3.js	Docker
★ JavaScript	YAML	Neo4j	★ Django	★ scrapy	Vagrant
PHP	CSS	★ scikit-learn	★ Django REST	Scrapinghub	Jenkins
C++	SQL	★ NLTK	★ Node.js	Azure	Serverless

★ xyz ... core technology

## References

### Motius GmbH

Lead Engineer (2019-2020)

- Advancement of a backend architecture for exporting legal reports
- Architecture design & implementation of a CRM system based on a graph database
- Technologies: Python Django Django REST SQL JavaScript React.js Neo4j AWS Serverless

### Vecara GmbH

Data Engineer (2019)

- Development of natural language processing pipeline for **sequence labeling**
- Implementation of a **document classification** system for financial documents
- Prototyping a document splitting system
- Technologies: Python Java scikit-learn UIMA AWS

## Deutsche Telekom AG

Computational Linguist (2019)

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

## kjero.com

Data Scientist (2017-2019)

- 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** **SQL** **JavaScript** **React.js**

## artistery.at

Lead Developer (2017, 2019)

- 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** **SQL** **WordPress**

## glanos.de

Web Scraping Engineer (2016-2017)

- 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 (2014-2015)

- 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** **Spark**

## bea-services.de

Computational Linguist (2014-2016)

- 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 (2012-2013)

- 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

**Alpen-Adria-Universität Klagenfurt**

B.Sc. Applied Computer Science

Focus area: Natural language processing

# Languages

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