LOUISA LAMBRECHT

PhD Student in the Database Systems Research Group at University of Tübingen

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EXPERIENCE

Research Assistant: Database Systems Research Group
University of Tübingen

📅 Sep 2022 – ongoing   📍 Tübingen, DE

- Research: (Ab-)using SQL as a programming language.
- Teaching and Management: we have various seminars, lectures or programming projects we offer each semester. In one of the introductory lectures, we manage about 30 student tutors to help with the exercises for the lecture.

Student Research Assistant: Semantic Web
Fraunhofer Institute of Optronics, System Technologies and Image Exploitation IOSB

📅 Jan 2019 – Dec 2019   📍 Karlsruhe, DE

- Development of semantic models in OWL to infer configuration errors and weaknesses from hardware and network data.
- Development of tools to generate and operate semantic models.

Software Development Intern
eoda GmbH

📅 Mar 2016 – Apr 2016   📍 Kassel, DE

- Java web development with Remote Application Platform (RAP).
- Designing questionnaires using HTML and CSS.

PROJECTS

Swabian Translation
Master Thesis, Karlsruhe Institute of Technology

Research in the area of neural machine translation of low-resourced languages on the example of Alemannic dialects.

Java Interface For The Instantiation Of EMF Models
Karlsruhe Institute of Technology

Development of a fluent API to create Palladio Model instances (see GitHub).

Natural Language Programming A Robot
Karlsruhe Institute of Technology

A natural language processing pipeline (tokenizer, tagger, parser) was implemented and a mapping on the robot's API was developed.

Compiler For Pascal
University of Oslo

Development of a compiler for Pascal implementing syntax and type checking and translating to assembler code.

EDUCATION

M.Sc. Computer Science
Karlsruhe Institute of Technology (KIT)

📅 2018 – 2022   📍 Karlsruhe, DE

B.Sc. Computer Science
University of Oslo

📅 2016 – 2017   📍 Oslo, NO

B.Sc. Computer Science
University of Tübingen

📅 2015 – 2018   📍 Tübingen, DE

Thesis Title: "Functional Universe: A Gaming Client in Racket for First-Year Students"

B.Sc. Cognitive Science
University of Tübingen

📅 2014 – 2015   📍 Tübingen, DE

STRENGTHS

Goal oriented   Teaching   Eye for detail
Organized & Responsible

SQL   Java   Functional Programming
Python   Semantic Web
Machine Translation & Deep Learning

MOST PROUD OF

🏆 **Master of Science with grade 1.2**
Major subjects: NLP & AI, Parallel Computing

💓 **European Voluntary Service at Hald International Center**
2013 – 2014 in Mandal, NO

🏛 **German National Scholarship**
2016

LANGUAGES

German   ●●●●●
English   ●●●●●
Norwegian   ●●●●○