

SERGE KOTCHOURKO

M.Sc. INFORMATIK STUDENT



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github.com/confusedSerge



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education

MASTER OF SCIENCE (M.Sc.) IN INFORMATIK (STUDENT)

Apr 2022 - Present
University of Stuttgart,
Stuttgart, Baden-Württemberg
Current Grade: 1.3

BACHELOR OF SCIENCE (B.Sc.) IN INFORMATIK

Oct 2017 - Mar 2022
University of Stuttgart,
Stuttgart, Baden-Württemberg
Grade: 1.9

experience

WORKING STUDENT SOFTWARE ENGINEER

Sep 2023 - Present
itestra GmbH
Stuttgart, Baden-Württemberg

Software modernization, maintenance, and migration for a banking system. Technologies include Java, PL/SQL, COBOL and more.

STUDENT ASSISTANT

Oct 2021 - Jun 2022
University of Stuttgart,
Stuttgart, Baden-Württemberg

Maintained existing software to correct errors, adapt it to user needs, while also analyzing possible security risks (e.g. Log4Shell).

LEAD SOFTWARE DEVELOPER

Aug 2022 - Aug 2023
TTI GmbH, DUREL TGU,
Stuttgart, Baden-Württemberg

Lead Developer overseeing all facets of the application development and deployment. This includes (non-exhaustive):

- Assessment of Requirements
- Architectural Decisions (e.g. Database, APIs, Back- and Frontend)
- Assessment and Prevention of Security Risks
- Implementation of Maintainable and Flexible Code Base

ACADEMIC TUTOR

Apr 2021 - Jul 2021
University of Stuttgart,
Stuttgart, Baden-Württemberg

Managed multiple groups of students, serving as a first point contact for assistance in understanding the lecture material and corresponding exercises. This also included holding group and one-to-one meetings and grading exercise sheets.

ACADEMIC TUTOR

Nov 2020 - Feb 2021

University of Stuttgart,
Stuttgart, Baden-Württemberg

Assisted multiple small groups, which were developing a software solution for a company based on their requirements, by providing feedback, teaching and deepening core software development concepts.

ACADEMIC TUTOR

May 2019 - Jul 2019

University of Stuttgart,
Stuttgart, Baden-Württemberg

Holding multiple tutoring sessions accompanying the lecture about Computer Engineering/Architecture, deepening the understanding of the studied material.

SOFTWARE DEVELOPER

Oct 2019 - Mar 2020

Radical Minds GmbH,
Karlsruhe, Baden-Württemberg

Development of an internal software solution in compliance with agile practices.

ACADEMIC TUTOR

Oct 2018 - Mar 2019

University of Stuttgart,
Stuttgart, Baden-Württemberg

Holding multiple tutoring sessions accompanying the lecture for Programming and Software Development, deepening the understanding of the studied material.

other

Effects of Pre- and Post-Processing on type-based Embeddings in Lexical Semantic Change Detection

Apr 22, 2021

Publication in Association for Computational Linguistics

Lexical semantic change detection is a new and innovative research field. The optimal fine-tuning of models including pre- and post-processing is largely unclear. We optimize existing models by (i) pre-training on large corpora and refining on diachronic target corpora tackling the notorious small data problem, and (ii) applying post-processing transformations that have been shown to improve performance on synchronic tasks. Our results provide a guide for the application and optimization of lexical semantic change detection models across various learning scenarios.