KOTCHOURKO SERGE

links

Ort: Stuttgart, Baden-Württemberg, 70569
E-Mail: serge.kotchourko@gmail.com
Homepage: kotchourko-serge.de
Linkedin: linkedin.com/in/kotchourko-serge
GitHub: github.com/kotserge

education

MASTER OF SCIENCE (M.Sc.) IN INFORMATIK (STUDENT)
Apr 2022 - Mai 2025
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 in the financial sector and iOS app development allowing programming and communication with a single-board computer.

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

Lead Engineer for an open-source annotation platform in computational linguistics, managing, developing and integrating key project components.

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).

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-to 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.

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
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.

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.