

Sebastian Volz

PHD STUDENT · UNIVERSITY OF TÜBINGEN

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Education

University of Tübingen

PHD, HEALTH NLP LAB (SUPERVISOR: HARRY SCELLS)

Tübingen, Germany

09/2026 – present

University of Tübingen

M.SC. IN COMPUTER SCIENCE (GRADE: 1.7)

Tübingen, Germany

2022 – 2026

- Focus on Machine Learning and Artificial Intelligence

University of Tübingen

B.SC. IN COGNITIVE SCIENCE (GRADE: 1.37)

Tübingen, Germany

2019 – 2022

Work Experience

Bosch eBike

DATA ENGINEER

10/2023 – 09/2026

- Implemented OAuth2-secured extensions for the internal application
- Added internal tools to an MCP server

KI-Makerspace

STUDENT ASSISTANT (HiWi)

10/2023 – 09/2026

- Taught courses on microcontrollers

Value AG

INTERN

09/2022 – 12/2022

- Implemented neural networks in PyTorch and TensorFlow
- Evaluated OCR on unstructured text documents

University of Tübingen

TUTOR FOR COMPUTER-BASED STATISTICS

Tübingen, Germany

04/2021 – 10/2021

- Corrected students' homework in R
- Answered questions in weekly meetings

Honors & Awards

07/2026 **Runner-Up Award**, 14th Symposium on Future Directions in Information Access (FDIA 2026) at ESSIR 2026

Skills

Programming	Python (PyTorch, PEFT), R, PostgreSQL
Languages	German, English (both fluent)
Interests	Sports (swimming, surfing, juggling, slacklining), Artificial Intelligence

Projects

University of Tübingen

BACHELOR THESIS: "COMPARING CONVOLUTIONAL LSTM ARCHITECTURES IN A WAVE PREDICTION TASK"

04/2022 – 08/2022

- Further development of convLSTMs to increase the accuracy of predictions of spatio-temporal dynamic systems (Python)

Course Project

ARTIFICIAL INTELLIGENCE

- Development of a Diana Chess agent employing the Minimax algorithm and alpha-beta pruning (Python)

Course Project

LINGUISTICS

- Utilizing semantic vectors to predict the outcome of reaction-time experiments (R)