

Leon Ami Wagner

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Education

M.Sc. in Computer Science

April 2023 - December 2025

Humboldt University to Berlin, Germany

- Focus: Natural Language Processing
- GPA: 1.7

M.Sc. in Artificial Intelligence (Erasmus Exchange)

February 2025 - June 2025

University of Barcelona, Spain

- Focus: Advanced NLP, Deep Learning

B.Sc. in Computational Science and Engineering

April 2020 - July 2023

HTW Berlin, Germany

- Focus: Software Engineering and Embedded Systems
 - GPA: 1.5
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Professional Experience

Full Stack Developer

September 2022 - January 2025

Fraunhofer IPK, Berlin, Germany

- Back- and Frontend development using the MERN stack, maintenance and enhancement of the main software "process assistant" (including integration of RAG chatbots), and agile collaboration within a Scrum team.
- Bachelor Thesis: Designed and developed the first prototype for the upcoming EU Digital Product Passport for traction batteries, set to launch in 2027.

Web Developer

June 2021 - August 2022

HTW Berlin, Germany

- Core team member for the implementation of an improved campus management system
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Featured Projects

Study Project: Robustness and Reasoning in Small Language Models

Nov 2024 - Jun 2025

- Investigated reasoning-enhancement techniques on a 1B parameter model, demonstrating its ability to outperform a larger 3B model on complex reasoning tasks with specialized fine-tuning and prompting.
- *Technologies: Python, PyTorch, Hugging Face, Fine-tuning, Prompt Engineering, NLP*

Movie Sentiment Analysis

Aug 2024

- Implemented a sentiment analysis pipeline using Word2Vec, Noise Robust Learning, and a FastText-based classifier to categorize movie reviews.
 - *Technologies: Word2Vec, FastText, Python, Neural Networks, Scikit-learn*
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Skills

- **Artificial Intelligence:** Natural Language Processing (Pytorch, Python, Hugging Face)
 - **Software Engineering:** Full-Stack Development, Web Technologies (Javascript, Mern Stack, C++)
 - **Process Engineering:** Business Process Automation, Process Mining
 - **Computer Science:** Algorithms, Data Structures, Embedded Systems
 - **Other:** Database Systems, Project Management, Graphic Design
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Awards and Honors

Scientific contribution - Robot vacuum cleaner & Model Factory

October 2022

Recognized with certificates for exceptional performance on both projects at HTW Berlin, awarded as the best contributions of the year.

Volunteering

Volunteer - Biodiversity Contact Person

August 2019 - March 2021

Greenpeace, Mainz

- Served as Biodiversity contact person for environmental initiatives