

Runsheng Chen

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EDUCATION

- **Technical University of Munich**  
*Master of Science in Robotics, Cognition, Intelligence; Grade: 1.8 (Thesis 1.0)*

Munich, Germany  
Oct 2021 – Mar 2025
- **Southeast University**  
*Bachelor of Engineering in Mechanical Engineering; Grade: 2.3*

Nanjing, China  
Sep 2016 – Jun 2020

PROJECTS

- **Detecting Multi-Lingual Relation Specific Neurons in LLMs**  
*Large Language Models, Mechanistic Interpretability, Neuron-level Interpretation*

Master thesis, LMU  
Jul 2025 – Mar 2025

- **Identification and characterization** of neurons that store explicit knowledge about semantic relations, with a particular focus on multilingual contexts.
  - **Development of a methodological pipeline** for localizing relation-specific neurons using a tailored dataset and validation by controlled generation experiments.
  - **Detailed analysis of the neuronal activation patterns** in the Llama-2 (7B & 13B) model to examine their distribution and inherent properties.
  - **Achievements:** Creation of a comprehensive relation-specific neuron set for Llama-2 model and a submission to a top NLP conference. Preprint on <https://arxiv.org/abs/2502.17355>
- **LLM-based chat-with-file chatbot Developing**  
*Large Language Models, LangChain, RAG, streamlit*

HiWi, TUM  
Aug 2023 – Feb 2024

- **Designed and implemented** an intelligent chatbot system capable of interacting with user-uploaded files, leveraging Retrieval-Augmented Generation (RAG) and LangChain.
  - **Developed a robust RAG pipeline** encompassing document chunking, embedding, retrieval optimization, and a user-friendly interface built with Streamlit.
  - **Achievements:** Automated document processing, significantly enhancing retrieval efficiency and reducing response time from 20s to 3s.
- **LLM-assisted Construction of a Corpus of Sustainable Product Reviews**  
*Large Language Models, Prompt Engineering, LangChain*

Guided Research, TUM  
Sep 2023 – Apr 2024

- **Development of a scalable, automated pipeline** for creating a domain-specific corpus of sustainable product reviews.
  - **Implementation and optimization** of data collection and processing methods using OpenAI Api and LangChain.
  - **Systematic evaluation and refinement** of prompting techniques (zero-shot, few-shot, chain-of-thought) to maximize the quality and consistency of the annotated data.
  - **Achievements:** Increased LLM-assisted annotation accuracy from 20% to 95%, significantly improving the efficiency and reliability of automated data generation.

WORK EXPERIENCE

- Working Student in the Field of Automotive

Accenture, Sep 2024 – Apr 2025
- Intern in the Field of Operational Artificial Intelligence in Production

BMW, Nov 2023 – May 2024
- HiWi for Developing Custom-Chatbot

TUM, Aug 2023 – Feb 2024, Jun 2024 - Jul 2024

SKILLS

- **Programming:** Python, C++, Matlab, R

**Technologies:** PyTorch, Numpy, Langchain, Git, Ms Office
- **Language:** English C2, German C1, Chinese Native

**Driving License:** Klasse B