




Adrian Maurice MÜLTHALER












 muelthaler.com

 nairdanus





Education

- 10.2024 – 09.2026  **M.Sc., Ludwig-Maximilian-University of Munich** in Computational Linguistics and Computer Science.
Current grade: 1.00
- 10.2021 – 09.2024  **B.Sc., Ludwig-Maximilian-University of Munich** in Computational Linguistics and Computer Science.
Overall grade: 1.13 (GPA 95.67%)
Thesis title: *Simulating Circuits in Quantum Natural Language Processing using Tensor Networks.*
- 07.2021  **European Baccalaureate, European School Munich**
Grade: 93.54%















Employment History

- since 03.2024  **Student Research Assistant for MUNIQC-Atoms,**
 Munich Network Management Research Group, LMU Munich
 Developing a Visual Programming Interface for MBQC
 - ▶ Building a C++ backend server using Crow
 - ▶ Building a TypeScript frontend server using React
- 09.2024 – 02.2024  **Student Research Assistant,**
 Center for Information and Language Processing, LMU Munich
 Collaborative Research Center for Expert-AI Cooperation
 Accreditation of Computational Linguistics Study Program
 - ▶ Formatting and Organizing Complex Documents in LaTeX
- 04.2024 – 08.2024  **Tutor for Introduction to Quantum Computing,**
 Institute for Informatics, LMU Munich
 - ▶ Introduction to Quantum Mechanics
 - ▶ Quantum Bits / Registers
 - ▶ Entanglement, Quantum Teleportation, Dense Coding
 - ▶ Quantum Algorithms e.g. Grover's, Shor's, VQA
 - ▶ Quantum Cryptography
-  **Tutor for Mathematical Methods in Computational Linguistics,**
 Center for Information and Language Processing, LMU Munich
 - ▶ Discrete Mathematics
 - ▶ Linear Algebra
 - ▶ Stochastics



Employment History (continued)

- 10.2022 – 02.2025  **Tutor for Introduction to Computational Linguistics,**
 Center for Information and Language Processing, LMU Munich
- ▶ Introduction to Linguistics
 - ▶ Automata Theory / Context-Free Grammars
 - ▶ Statistical Language Models e.g. Naive Bayes, Hidden Markov Models
- 11.2021 – 09.2023  **Working Student in the field of Data Science,**
 Knowlix GmbH
- ▶ Data Generation with Jinjaz and HTML/CSS templates
 - ▶ Web Scraping using Python

Skills


- Coding    Python
 C++
 Java
 Haskell
- Web Dev    HTML
 CSS
 JavaScript
 LAMP Web Server with django
- Languages   German - Native Speaker
Romanian - Native Speaker
English - Proficient (IELTS: Band 8)
Spanish - Basic Proficiency
French - Limited Proficiency (A2+)
Chinese - Limited Proficiency (HSK2)

Research Publications

-  S. Loftus, **A. Mülthaler**, S. Hoeken, S. Zarriß, and O. Alacam, “Using LLMs and preference optimization for agreement-aware HateWiC classification,” in *Proceedings of the The 9th Workshop on Online Abuse and Harms (WOAH)*, A. Calabrese, C. de Kock, D. Nozza, F. M. Plaza-del-Arco, Z. Talat, and F. Vargas, Eds., Vienna, Austria: Association for Computational Linguistics, Aug. 2025, pp. 538–547, ISBN: 979-8-89176-105-6.  URL: <https://aclanthology.org/2025.woah-1.47/>.

Miscellaneous

Extracurricular Activities

-  Member of the Student Council for Computational Linguistics
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|-------------------|--|
| 10.2025 – 10.2026 | Chair |
| 10.2024 – 10.2025 | Elected Representative in the Faculty Council |
| 10.2024 – 10.2025 | Delegate to the Student Representative Council |
| since 2024 | Member |

Miscellaneous (continued)

Interests

- 📖 Quantum Computing
- 📖 Natural Language Processing
- 📖 Free and Open-Source Software

Hobbies

- 📖 Football
- 📖 Bouldering
- 📖 Sailing