

Tianhao Gu

Honored Teaching Assistant @TUM, Data Analyst and Machine Learning Engineer
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EDUCATION

- 2024 - **Technical University of Munich** *MSc Computer Science, Institution Top 10 Worldwide (THE RANK)*
2026
 - Expected graduation in June 2026
- 2024 **University of Turku** *STV in Digitalisation and Prototype*
 - Focus on consulting, software service design and business prototype methodology
- 2021 - **Technical University of Munich** *BSc Computer Science with Business Administration Focus*
2024
 - 6 times Teaching Assistant | TOP 1% GPA in Math | 1 Year ahead of Average Graduation**
 - Bachelor Thesis: "Effectiveness of Search-Based Testing on a Deep Reinforcement-Learned Swarm Controller"
 - Relevant Coursework: Computation Theory, Programming, Economics, Management
- 2018 - **Chengdu Experimental Foreign Language School** *Abitur*
2021
 - GPA Top 1% | Pre-Study @Goethe University | German Summer Study @Humbolt-Institute

WORK EXPERIENCE

- 2024 **Research Assistant, Huawei 2012 Lab, Network Dev, Shanghai, China**
 - Assisted with the optimization of algorithms such as 83Code and CRC in the lab projects
- 2024 **Intern, LIM Immobilien Verwaltung Holding GmbH, Data Analyst, Munich**
 - Conducted property valuation for land in Munich, including commercial and hospitality sectors, using income approach and market analysis
 - Developed software to automate rent payment processing with API integration for bank statement retrieval
- 2022 - **Co-Founder, Lingtu.de EdTech, Chief Technology Officer, Munich**
2024
 - Leveraged advanced technology to build top-tier platforms for international students, offering educational resources for language learning, programming courses and career guidance
 - Employed AI to refine course content segmentation, offer multilingual delivery
- 2022 - **6 Times Assistant Teacher, Technical University of Munich, Informatics Department, Munich**
2024
 - Gained 1% GPA in modules mathematics, delivered tutorial lectures to over 180 students, wrote a full set of lesson materials independently, helped preparing practice questions and supported professors with grading assignments and exam papers.
 - Algorithms, Programming Theory, Distributed Systems, Theory of Informatics, Numerical Programming, Linear Algebra, Discrete Mathematics and Probability Theory
- 2023 **Summer Intern, AI & ML, Feixiang Gongcheng Intelligent Technology Co., Ltd, Chongqing, China**
 - Directed Gen-AI automation for social media in healthcare and medical field.

PROGRAMMING EXPERTISE

- 2024 **Unbiased LLM Search Engine, Responsible AI Seminar**
 - One month of fine-tuning LLM with HuggingFace, Docker, JSON
- 2023 **High-Precision Computing Optimization, Bachelor Project at University**
 - One semester of optimizing gamma correction and grayscale algorithms (C, Assembly)
- 2022 **Flight Search System, Bachelor Project at University**
 - One semester of development with React, JavaScript, Springboot, HTML, CSS

SKILLS & ADDITIONAL WORK EXPERIENCE & CERTIFICATE

Languages	German (DSD C1), English (fluent), Chinese (Native)
Technology	Python, Java, C, C++, SQL, Excel, Machine Learning, Neural Network, LLM, Linux, Docker
Certificate	Foundations of UX Design @Google, Neural Networks and Deep Learning @Coursera, Social Media Marketing Certificate @Meta
Additional Work	Go Asia Germany GmbH (CS), UEFA EURO 2024 (Info Support), DialogDirekt Berlin (Fundraising Associate), ISPO (IT), European Championship (IT), Drinktec (Info Support)