

HASSAN HAMAD

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PROFILE

- » PhD candidate at USC with focus on deep learning, NLP and LLMs (anticipated graduation in December 2024)
- » Expertise in developing large language models (LLMs) for information extraction and conversational AI.
- » Experienced in applying advanced AI techniques to real-world industry applications.

EDUCATION

- 📅 2019/08–present **PhD in Electrical and Computer Engineering**
University of Southern California (USC) 📍 Los Angeles, CA
 - » Focus on efficient training of deep learning models, especially on NLP tasks
 - » Cumulative GPA: 4.0/4.0
- 📅 2016/09–2019/05 **M.S. in Communications Engineering**
Technical University of Munich (TUM) 📍 Munich, Germany
 - » Focus on Information Theory and Wireless Communications
 - » Cumulative GPA: 3.9/4.0
- 📅 2012/09–2016/06 **B.E. in Computer and Communications Engineering**
Notre Dame University - Louaize 📍 Zouk Mosbeh, Lebanon
 - » Focus on Algorithms, Digital Coding and Wireless Communications
 - » Cumulative GPA: 3.9/4.0

WORK EXPERIENCE

- 📅 2024/05–2024/08 **Applied Scientist Intern**
Amazon 📍 Seattle, WA
 - » Developed LLM-based solutions to improve task-oriented dialogue systems.
- 📅 2023/05–2023/08 **Quantitative Machine Learning Intern**
Bloomberg 📍 New York, NY
 - » Enhanced information extraction capabilities through LLMs in financial data.
- 📅 2019/02–2019/06 **Working Student - Machine Learning**
Fraunhofer 📍 Munich, Germany
 - » Explored the use of RNNs for predicting latency of a V2V communication link.
- 📅 2017/05–2018/05 **Working Student - LTE physical layer system engineer**
Intel 📍 Munich, Germany
 - » Worked on a physical layer concept to implement the V2X feature from 3GPP.

TEACHING EXPERIENCE

- 📅 2018/10–2019/02 **Lab Assistant for Communications Lab**
Technical University of Munich (TUM) 📍 Munich, Germany
 - » Introduction to communication systems based on experiments and computer simulations.

