

Zhe CHEN

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EDUCATION

The University of Hong Kong , Hong Kong MSc. Innovative Design and Technology Research Area: Multimodal Large Language Models (LLMs)	Aug. 2024 – Dec. 2025
University of Science & Technology Beijing (USTB) , Beijing BSc. Applied Physics Research Area: Large-Scale Image Retrieval, Optimization Algorithms	Aug. 2018 – Jul. 2022

TECHNICAL SKILLS

Programming: Python, C#, Linux, Matlab, Java, MySQL, Pytorch Lightning, JavaScript
Software: Matlab, Spyder, PyCharm, Jupyter Notebook, Visual Studio, Visual Studio Code, git, Ubuntu, LaTeX
Personal Homepage: <https://boris-jobs.github.io/>

WORK EXPERIENCES

Ganzhou Hailian Architectural Survey and Design Co., Ltd Data Analyst <ul style="list-style-type: none">Main Contributions: Assisted the company in organizing architectural design order data and daily operational data.Tech Stack: Python, MySQL	Ganzhou, China Sep. 2022 – Feb. 2023
Guangdong Wanyi Electronic Commerce Group Head of Data Analytics , Department of New Media Marketing <ul style="list-style-type: none">Main Contributions: Developed the "RPPL Data Analysis System," outlining key components including market research, promotion, data processing, and operational logic; Achieved a 76.1% increase in advertisement ROI year-on-year.Tech Stack: Python, MySQL, HTML, JavaScript, PowerBI	Foshan, China Feb. 2023 – Feb. 2024
Huawei Technologies Co., Ltd Software Development Engineer in Test (SDET) , Department of ICT Products and Solutions <ul style="list-style-type: none">Main Contributions: Contributed 1000+ lines of code to the testing framework; Passed 50+ database engine deployment test cases.Tech Stack: Python, MySQL	Suzhou, China Feb. 2024 – May. 2024

ACADEMIC EXPERIENCES

A Study on An Large-Scale Image Retrieval Algorithm Handling the Typical Hash Coding Constraints without NP-Hard SRTP Team Leader, Supervised by Prof. Zhengwei SHEN <ul style="list-style-type: none">Main Contributions: Developed update algorithms for three key parameters in the optimization process and conducted three numerical experiments in supervised learning.Publication: A penalty function semi-continuous thresholding methods for constraints of hashing problems Qian Chen, Zhengwei Shen, Zhe Chen Journal of Visual Communication and Image Representation Volume 87, August 2022, 103552	University of Science and Technology Beijing Sep. 2019 – Jun. 2022
A Study on The Robustness of Multimodal Large Language Models Remote Research Intern, Supervised by Prof. Dr. Zitong Yu <ul style="list-style-type: none">Main Contributions: Led the majority of the project, proposing a method that achieves state-of-the-art performance in multimodal Large Language Models (LLMs) for handling missing modality data.Publication: EPE-P: Evidence-based Parameter-efficient Prompting for Multimodal Learning with Missing Modalities Zhe Chen, Xun Lin, Yawen Cui, Zitong Yu 2025 IEEE International Conference on Acoustics, Speech, and Signal Processing (Under Review)	Great Bay University May. 2024 – Sep. 2024
A Study on The Hallucination of Multimodal Large Language Models Remote Research Intern, Supervised by Prof. Dr. Zitong Yu <ul style="list-style-type: none">Main Contributions: Conducted survey on Large Language Models (LLMs), LLMs' hallucination, and solutions for LLMs' hallucination.	Great Bay University Sep. 2024 - Present

HONORS & AWARDS

• Gold Medal in Folk Music Category , Beijing University Music Festival	Nov. 2018
• "Three Good" Student , USTB	Nov. 2019
• Two times 3rd Class of Renmin Scholarship , USTB	May. & Nov. 2019
• 1st Prize , USTB Physics Academic Contest	Jul. 2020
• 2nd Prize , USTB Mathematical Contest	Oct. 2020
• Meritorious Winner , MCM/ICM (Mathematical Contest In Modeling/Interdisciplinary Contest in Modeling)	Apr. 2021