

# Zhe CHEN

[cz1322553126@gmail.com](mailto:cz1322553126@gmail.com), +852 94763987

## EDUCATION

<b>The University of Hong Kong</b> , Hong Kong <b>MSc. Innovative Design and Technology</b> Research Area: MLLMs (Multimodal Large Language Models)	Aug. 2024 – Dec. 2025
<b>University of Science &amp; Technology Beijing (USTB)</b> , Beijing <b>BSc. Applied Physics</b> Research Area: Large-Scale Image Retrieval, Machine Learning	Aug. 2018 – Jul. 2022

## TECHNICAL SKILLS

**Programming:** Python (torch, transformers) >> Linux ≈ Slurm ≈ Matlab > MySQL > Java > C# ≈ JavaScript ≈ HTML  
**Software:** Visual Studio Code, PyCharm, git, Ubuntu, Matlab, Spyder, Jupyter Notebook, Visual Studio, LaTeX  
**Personal Homepage:** <https://boris-jobs.github.io/>

## WORK EXPERIENCES

<b>Ganzhou Hailian Architectural Survey and Design Co., Ltd</b> <b>Data Analyst</b> <ul style="list-style-type: none"><li>Main Contributions: Assisted the company in organizing architectural design order data and daily operational data.</li><li>Tech Stack: Python, MySQL</li></ul>	Ganzhou, China Sep. 2022 – Feb. 2023
<b>Guangdong Wanyi Electronic Commerce Group</b> <b>Head of Data Analytics</b> , Department of New Media Marketing <ul style="list-style-type: none"><li>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.</li><li>Tech Stack: Python, MySQL, HTML, JavaScript, PowerBI</li></ul>	Foshan, China Feb. 2023 – Feb. 2024
<b>Huawei Technologies Co., Ltd</b> <b>Software Development Engineer in Test (SDET)</b> , Department of ICT Products and Solutions <ul style="list-style-type: none"><li>Main Contributions: Contributed 1000+ lines of code to the testing framework; Passed 50+ database engine deployment test cases.</li><li>Tech Stack: Python, MySQL</li></ul>	Suzhou, China Feb. 2024 – May. 2024

## ACADEMIC EXPERIENCES

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

## HONORS & AWARDS

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