Zhe CHEN

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EDUCATION

University of Science & Technology Beijing (USTB), Beijing, China *August 2018 - July 2022*
Bachelor of Science in Applied Physics
Research Area: Large-Scale Image Retrieval, Optimization Algorithms

The University of Hong Kong, Hong Kong, China *August 2024 - December 2025*
Master of Innovative Design and Technology (Field: Computer Science)
Research Area: MLLMs, MLLMs' Hallucination

TECHNICAL SKILLS

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

WORK EXPERIENCE

Ganzhou Hailian Architectural Survey and Design Co., Ltd *Ganzhou, China*
Computer Administrator *September 2022 – February 2023*
- Tech Stack: Python, MySQL

Guangdong Wanyi Electronic Commerce Group *Foshan, China*
Director of Data Analysis Team, Department of New Media Marketing *February 2023 – February 2024*
- Accomplishments: Proposed "RPPL Data Analysis System", Increased advertisement ROI by 76.1% year-on-year
- Tech Stack: Python, MySQL, HTML, JavaScript, PowerBI

Huawei Technologies Co., Ltd *Suzhou, China*
Testing Development Engineer, ICT Products and Solutions Department *February 2024 – May 2024*
- Accomplishments: Contributed 1000+ lines of code to the testing framework, Passed 50+ installation and deployment-related test cases
- Tech Stack: Python, MySQL

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 *University of Science and Technology Beijing | September 2019 - June 2022*
- Tech Stack: Matlab, Python
- 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

A Study on The Robustness of Multimodal Large Language Models
Remote Research Intern, Supervised by Prof. Dr. Zitong Yu *Great Bay University | May 2024 - September 2024*
- Tech Stack: Pytorch Lightning, Python, Matlab
- 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)

A Study on The Hallucination of Multimodal Large Language Models
Remote Research Intern, Supervised by Prof. Dr. Zitong Yu *Great Bay University | September 2024 - Present*
- Tech Stack: Pytorch Lightning, Python, Matlab

HONORS & AWARDS

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