

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

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

陈哲

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教育背景

北京科技大学, 北京 应用物理学士 研究领域: 图像大数据检索, 优化算法	2018 年 08 月 - 2022 年 06 月
香港大学, 香港特别行政区 创新设计与科技硕士 (专业领域: 计算机科学) 研究领域: 多模态大语言模型, 多模态大语言模型幻觉问题	2024 年 08 月 - 2025 年 12 月

技术技能

编程语言: Python, C#, Linux, Matlab, C, MySQL
软件: Matlab, Spyder, PyCharm, Jupyter Notebook, Visual Studio, Visual Studio Code, git, Ubuntu, LaTeX
个人网页: <https://boris-jobs.github.io/>

工作经历

赣州市海联建筑勘察设计有限公司 计算机管理员 • 技术栈: Python, MySQL	江西省赣州市 2022 年 09 月 - 2023 年 02 月
广东万翼电子商务有限公司 数据分析组长, 新媒体项目部 • 主要业绩: 提出“RPPL 数据分析体系”, 实现广告 ROI 同比增长 76.1% • 技术栈: Python, MySQL, HTML, JavaScript, PowerBI	广东省佛山市 2023 年 02 月 - 2024 年 02 月
华为苏州研究所 测试开发工程师, ICT 产品与解决方案部门 • 主要业绩: 测试框架代码贡献量 1000+行, 安装部署类测试用例通过 50+个 • 技术栈: Python, MySQL	江苏省苏州市 2024 年 02 月 - 2024 年 05 月

学术经历

规避 NP 难题的处理经典哈希编码约束的图像大数据检索算法研究 SRTP 团队组长, 导师: Prof. Zhengwei SHEN • 论文发表: 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	北京科技大学 2019 年 09 月 - 2022 年 06 月
多模态大语言模型鲁棒性问题研究 远程研究实习, 导师: Prof. Dr. Zitong YU • 论文发表: 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 (在投)	大湾区大学 2024 年 05 月 - 2024 年 09 月
多模态大语言模型幻觉问题研究 (进行中) 远程研究实习, 导师: Prof. Dr. Zitong Yu	大湾区大学 2024 年 09 月 - 至今

荣誉奖项

• 北京大学生音乐节民乐组金奖	2018 年 11 月
• 北京科技大学三好学生	2019 年 11 月
• 北京科技大学三等人民奖学金(两次)	2019 年 05 月 & 2019 年 11 月
• 北京科技大学物理学术竞赛一等奖	2020 年 06 月
• 北京科技大学数学学科竞赛二等奖	2020 年 10 月
• 美国大学生数学建模竞赛 M 奖(一等奖)	2021 年 04 月