

ZHUOHANG QIN

isacfq@gmail.com

EDUCATION

Southwest Jiaotong University

B.E. in Computer Science and Technology

GPA: 3.80/4.00 (ranking 1/74)

Chengdu, China

Sep 2018 - Jul 2022

University of Science and Technology of China

Qualified in Postgraduate Recommendation Summer Camp

Hefei, China

Jul 2021

RESEARCH EXPERIENCE

Southwest Jiaotong University

Multimedia Information Processing Laboratory

Advisor: Dr. Zhaoquan Yuan

Chengdu, China

Sep 2019 - Present

Object-textual Embedding for Multimodal Question Answering

Sep 2021 - Jun 2022

Best Undergraduate Thesis [\[link\]](#)

- Proposed a novel cross-modal embedding method, which enhances visual-semantic alignments and guides cross-modal learning using the association of question text and visual objects as heuristics.
- Implemented an improved multimodal question answering model; both quantitative and qualitative analyses show that it outperforms the existing baseline by a considerable margin.

Multimodal Task-oriented Dialogue System

Jul 2020 - Apr 2021

- Led a group of students working on developing a new multimodal task-oriented dialogue system for online retailing.
- Attempted to apply the attention-based Transformer to image processing, replacing the traditional CNN model for better grasping the global features of product images.

Interest-oriented Independent Research

Dungeons and Dialogues

Jun 2022 - Present

- Aim to build a dialogue system capable of creating text adventures like a human Dungeon Master, expanding the boundaries of human-computer interaction.
- Working on knowledge-based creative text generation, such as embedding "environment" information into the common "action" of characters to enrich the diversity of interactions.

WORK EXPERIENCE

WhisperGames

Analyst Intern

Xiamen, China

Jun 2021 - Aug 2021

- Developed automation tools to provide more efficient localization solutions for some well-known text-heavy games, including *Disco Elysium* and *Baldur's Gate 3*.
- Crawled reviews of popular products and conduct LDA-based topic modeling to mine user preferences and assist game publishing decisions.

HONORS AND AWARDS

Best Student in Computer Science, Southwest Jiaotong University

2022

Outstanding Undergraduate Final Thesis, Southwest Jiaotong University

2022

Comprehensive Academic Scholarship of 4 consecutive years, Southwest Jiaotong University

2018 - 2022

SKILLS

Programming and Tools

Python, R, Java, C/C++, Markdown, Pytorch, NumPy, Scikit-learn, L^AT_EX