JITAO LI

jitaoli2@illinois.edu
217-979-3861

EDUCATION

- University of Illinois at Urbana-Champaign, 2023.8-present B.S. in Computer Engineering. Expected May 2025.
- ZJU-UIUC Institute, 2021.9-2023.6 B.E. in Electrical and Computer Engineering. Expected May 2025.
- GPA: 3.96/4.00
- Related Coursework: Data Structures, Signal Processing, Data Mining, Operating System, Econometrics, etc.

TECHNICAL SKILLS

- Programming Languages: C, C++, Python, SQL
- Spoken Languages: Mandarin, English

RELAVANT EXPERIENCE

- D3 Laboratory, Zhejiang University, 2022.6-2022.7. Summer Intern Team Leader.

  Our team constructed a semantic network based on the bionic knowledge we extracted from AskNature, an online Bionics encyclopaedia. The network was able to provide inspiration for bionic designers, helping them develop innovative projects from the ideas behind various natural beings. My primary responsibility was fine-tuning large language models and front-end visualization of the network. The project won Best Achievement Award in the summer intern symposium.

- Laboratory of Visual Intelligence and Pattern Analysis(VIPA), Zhejiang University, 2023.6-2023.7.

  Our team focused on the task of Action Quality Assessment(AQA), constructing a model that extracted the features of short video clips of sports across seven different categories, which all came from major sport events such as the Olympics. The model eventually output an accurate score according to the athlete's execution. My main responsibility was noise reduction of the video clips and optimization of feature extraction. Our research resulted in an EI conference paper(Equal Contribution).

- Zhejiang University, 2022.3-2023.3.

  Our research revolved around image captioning, which was to generate texts for social media posts based on a user's personality traits. My main role in the team was constructing and improving our dataset. The project was selected as province-level innovation project.

COURSE HIGHLIGHTS

- Data Structures
  - Learned a variety of data structures such as binary search tree, BTree, hashing and graph as well as their related algorithms.
  - Practiced and manipulated different data structures using C++.
- Operating System
  - Led the group project that built an OS from scratch based off the Linux kernel.
  - Supported features such as paging, file system, keyboard, multiple terminals, scheduling of multiple processes.
  - Used Git for version control and distributed development.