Chenru Wen

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Education

Tsinghua University Yao Class   Sept. 2021 – Present
Undergraduate student in Computer Science

Experience

NLP research   with Yuwei An in Tsinghua 2022.6-2022.12

- Taxonomy Enrich

AI+Ancient Architecture   with Huazhe Xu in Tsinghua 2023.9 – 2023.12

- Procedual modeling and style transfer of architecture

CV research   with Zhuowen Tu in UCSD 2024.1-2024.8

- LayoutDiT
- Layout Video Generation based on LLM

Projects

Taxonomy Enrich
Taxoenrich is a project that fills a binary tree with vocabulary, fulfilling the following functions: finding the position of vocabulary based on descents, ascents, and peers. For example, it can find the position of the graph based on existing fruits and orange, and can also insert technology based on computer science and CV.

Logo Designing by Diffusion
Logo Designing by Diffusion is the final project of my Deeplearning lesson. My partners and me combined the diffusion model with prompts acting as tokens and embeddings. It finally got score 9/10.

Procedual modeling and style transfer of architecture
Procedual modeling and style transfer of architecture is a project that utilizes the methods of image2mesh and mesh diffusion to migrate buildings between different ancient Chinese buildings. It was the lesson project for AI+X, and our team's ranking was 30

LayoutSyn
LayoutSyn is a project that I cooperate with an Indian partner in UCSD, under the guidance of Zhuowen Tu, and we have submitted it to ICLR.

Layout Video Generation based on LLM
Layout Video Generation is a small project that I did in a summer lesson. I do it by designing a special method for generation and finetune the LLM by LoRA. And it also will become a part of my graduation design.

Technical Skills, and Interests

Programming Languages: C/C++/Python
Writing: LaTeX, Office
Interests: Go and Badminton