

Zeqing Yuan (Leo)

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Education

Zhejiang University

B.Eng.(Honors) in Computer Science

Hangzhou, Zhejiang

Sep 2020 – Jun 2024

- Member of Turing Class, Chu Kochen Honors College
- GPA: 3.98/4, 91.22/100; Rank: Top 1%; Award: Chinese National Scholarship (2 times)

Research Interest

My research interest lies in **machine learning** and **computer vision**, with a focus on **generative modeling**, **video understanding** and **3D scene understanding**. My goal is enabling machines to generate an interactive 4D world.

Publication

TIVEE: Visual Exploration and Explanation of Badminton Tactics in Immersive Visualizations

2021

- Xiangtong Chu, Xiao Xie, Shuainan Ye, Haolin Lu, Hongguang Xiao, **Zeqing Yuan**, Zhutian Chen, Hui Zhang, Yingcai Wu
- IEEE Transactions on Visualization and Computer Graphics (TVCG) 28 (1), 118-128 (IEEE VIS 2021)

Manuscript Under Review

Tactical Analysis in Knowledge-Intensive Racket Sports through Video Modeling

2023

- Yuchen He*, **Zeqing Yuan***, Yihong Wu, Liqi Cheng, Dazhen Deng, Yingcai Wu (*equal contribution)
- In submission to AAAI 2024
 - Recognizing high-level techniques for sports video analysis with sparse visual information and contextual domain knowledge

Research Experience

Visiting Research Intern

May 2023 – Present

Stanford Vision&Learning Lab | Advised by Prof. Jiajun Wu

- Learning 3D scene-level layout distribution from a single image

Undergraduate Researcher

July 2022 – Present

Zhejiang University

- Studying generative visual models, advised by Prof. Chunhua Shen
- Studied active learning for object detection, advised by Prof. Jake Zhao

Research Project Lead, National Undergraduate Innovation Program

May 2022 – May 2023

State Key Lab of CAD & CG | Advised by Prof. Yingcai Wu

- Studied video action understanding and data mining for sports video
- **1 paper** under review (co-first author) and **1 patent** accepted (student first author)
- Work validated by analysts from Chinese national table tennis team

Research Assistant

Jan 2021 – May 2021

State Key Lab of CAD & CG | Advised by Prof. Yingcai Wu

- Designed 3D visualization and VR interaction for immersive sports analysis
- **1 Paper** accepted to IEEE VIS and TVCG

Selected Honors and Awards

Chinese National Scholarship (Top 0.2%, 2 times)

2021, 2022

- Highest scholarship for Top 0.2% undergrads by Ministry of Education (2-year recipient)

SenseTime Scholarship (30 undergrads nationwide)

2022

- 30 undergrads nationwide selected for AI-related research (one of only 4 juniors awarded)

People's Choice Award in ACM MobileHCI (Global hackathon winner)

2022

- Global hackathon winner at ACM International Conference on Mobile HCI

Baogang Scholarship (5/ 24,000 in ZJU)

2022

- 5 / 24,000 undergrads nominated by Zhejiang University

College Star (10/ 2,000 in CS College, ranking 1)

2023

- Highest honor in College of Computer Science and Technology

Additional Information

Language: English (TOEFL 113, speaking 27, first-prize debater), Chinese (Native)

Hobbies: Badminton (National First-Class Athlete and provincial champion), Hiking, Basketball, Movies