Zeqing Yuan (Leo)

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Education

Zhejiang University **Hangzhou, Zhejiang**
B.Eng.(Honors) in Computer Science *Sep 2020 – Jun 2024*

- Member of Turing Class, Chu Kochen Honors College
- **Rank**: **1/317**; **GPA**: 3.98/4; **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)
○ **Manuscript passed first review round in 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 (1st student 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