Xiaoyan Cong

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Education

BS in Robotics Engineering   *GPA 3.97/4.00*

Chu Kochen Honors College, Zhejiang University, Hangzhou China   Sep. 2020 - Present

Minoring in "AI+X" Micro-Major

Established by Zhejiang University, Fudan University, University of Science and Technology of China, Shanghai Jiaotong
University, Nanjing University and Tongji University, Huawei, Baidu and SenseTime under the organization of the Teaching   Feb. 2021 - Present
Collaboration Center of the Five Universities in East China.

Technical Skills

Programming	C/C++, Python(Pytorch), Markdown, Lingo, Matlab
Professional Softwares	Linux, Simulink, Multisim, SolidWorks, Inventor, AutoCAD, CoppeliaSim
Drawing & Typesetting	Office, LaTeX
Languages	Chinese(Native), English

Research Projects

Research on 3D reconstruction and novel niew synthesis   *Mentor: Xiaowei Zhou*

Working with Sida Peng and Bojian Wu, I am exploring how to generate high-quality novel view images of refractive and
reflective objects with the aid of polarization, and how to accurately reconstruct the geometry and appearance of glossy and   Oct. 2022 - Present
specular objects on the gound of neural implicit 3D representations and differentiable rendering.

Research on Autonomous Driving: Detection and Tracking of Millimeter Wave Radar   *Mentor: Rong Xiong*

Advised by Prof. Rong Xiong and Prof. Yue Wang, I have finished the Deep Scientific Research Training Program of Chu
Kochen Honors College on "Detection and Tracking of Millimeter Wave Radar", which is awarded as excellent (10 in total).   June. 2021 - June. 2022

Research on Deep Learning: Cross-domain Performance Evaluation Method   *Mentor: Wei Jiang*

I am participating in a Student Research Training Program(SRTP) on "Cross-domain performance evaluation method of
pedestrian re-identification model based on model parameter distribution".   June. 2022 - Present

Awards and Honors

2020-2021	**Scholarship**: China National Scholarship	
2020-2021	**Scholarship**: First Prize Scholarship of Zhejiang University	
2020-2021	**Scholarship**: Chu Kochen Honor College Leading Scholarship of Zhejiang University	
2021-2022	**Scholarship**: Chu Kochen Honor College Excellence Scholarship of Zhejiang University(top in college)	
2021-2022	**Scholarship**: Zhejiang Provincial Government Scholarship	
2021-2022	**Scholarship**: First Prize Scholarship of Zhejiang University	
2021-2022	**Scholarship**: Phoenix Special Scholarship	
Feb. 2021	**Contest**: Honorable Mention in 2022 Mathemetical Contest In Modeling	
Nov. 2021	**Contest**: The first prize of Zhejiang Province in the 13th National College Students Mathematics Competition (non-mathematical category)	

Campus Experience

Student Union of Zhejiang University Chu Kochen Honor College

Member of Academic Department   Sep. 2020 - June. 2021

Student Union of Zhejiang University Chu Kochen Honor College

Head of Academic and Development Innovation Department   June. 2021 - Present

Go Team of Zhejiang University

Main Player of the Team. Award: First place in Hangzhou University Go Tournament Team. Sep. 2020 - Present

Eloquence Association of Zhejiang University

Member of Debate Team. Award: Runner-up of the 18th Zhejiang University Freshman Debate Competition. Oct. 2020 - Present

Artificial Intelligence Association of Zhejiang University

Member of External Liaison Department Sep. 2022 - Present