



PROFILE SUMMARY

Computer Science student focused on 3D perception algorithms and dataset optimization in autonomous driving, currently a Research Assistant in SUSTech. Proficient in Python and Pytorch, with experience in deep learning and machine learning.

CONTACT DETAILS

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PERSONAL INFORMATION

Citizenship: **Chinese**
Ages: **23**, Gender: **Male**
Languages: **English, Chinese**

RESEARCH INTERESTS

- Autonomous Driving
- 3D Perception Algorithms
- Scenario Simulation
- Dataset Optimization

SKILLS

- **LANGUAGES:** Python, C#, Java, C/C++, LaTeX, Lua, Verilog
- **SOFTWARES:** Vim, Slurm, Docker, Singularity, CARLA, ROS, Pytorch, Open3D, OpenCV PCL, Unity3D
- **HARDWARE:** X86 & ARM (Linux), Embedded STM32
- **PLATFORMS:** OpenPCDet, MMDetection3D, MMDetection

PUBLICATIONS

IKDE, co-author: Optimizing Autonomous Driving Datasets: Complexity, Quality, Uncertainty (Under Review) **September 2023 - October 2024**

To submit, second author: Data Technologies in Autonomous Driving: Datasets, Annotation, Synthesis, and Acquisition (Writing) -

AWARDS

Excellence Award: Outstanding Student Teaching Assistant in the Fall Semester, 2023 **January 2024**

National First Prize: 2023 China College Computer Contest - Network Technology Challenge **September 2023**

Excellence Award: 19TH Challenge Cup Competition of Science Achievement in China **March 2023**

Project Funding: Guangdong Student Science and Technology Innovation Fund **September 2022**

EDUCATION

B.S. : Major in Computer Science and Technology, Southern University of Science and Technology **June 2025**

INTERNSHIP EXPERIENCES

Research Assistant: Intelligent Sensing and Unmanned System Lab of Computer Science and Engineering, Southern University of Science and Technology **September 2023 - Now**

Robotics AI Algorithm Engineer: KiloX Technology (Shenzhen) Limited Company **July - September 2023**

Client Development Engineer: Accenture Enterprise Development. (Shanghai) Co. Ltd. China. **May - July 2023**

TEACHING EXPERIENCES

Student Assistant: Machine Learning - Lab **September 2024 - Now**

Student & Teaching Assistant: Object-Oriented Analysis and Design - Lab and Lecture **September 2023 - January 2024**

PROJECT EXPERIENCES

Deep Learning: Real-time Virtual YouTuber Face Projection System on Jeston Nano Platform **December 2023 - January 2024**

Software: Cat-Chat Online Chatting Application **March - June 2023**

Scenario Simulation: Active Data Acquisition System of Autonomous Driving in CARLA Simulator **June 2022 - June 2023**

OTHER EXPERIENCES

FIK Registered Member: Kendo 2 Dan Practicer **August 2020 - Now**

Second Runner-up: 6TH MOJIAN CUP Kendo Competition - Men's Individual Competition **March 2023**

Second Runner-up: 4TH MOJIAN CUP Kendo Competition - Men's Team Competition **May 2022**