

# HENGXIANG CHEN

School of Artificial Intelligence, SZTU ◊ Shenzhen, China  
(86) · 15816659727 ◊ [hengxiangchen428@gmail.com](mailto:hengxiangchen428@gmail.com)  
[hency-727.github.io](https://hency-727.github.io)

## EDUCATION

**Hong Kong University of Science and Technology (Guangzhou)** September 2026 (Expected)  
M.Phil. / Ph.D. (Full Scholarship) in Robotics and Autonomous Systems (Offer Accepted)

**Shenzhen Technology University** *Shenzhen, China*  
B.S. in Vehicle Engineering  
September 2021 - June 2025  
Honor of Headmaster's Scholarship and Best Ten Graduated Student candidates  
Member of X-Talent Program(Academic Training Program of SZTU)  
Overall GPA: 3.55/4.5 with 10/112

**Hochschule Coburg** *Kronach, Germany*  
Exchange intern of Autonomous Driving (Master-Level)  
September 2021 - June 2025

## PUBLICATIONS

\*Equal Contribution

Z. Guo\*, **H. Chen\***, Q. Li, et al., “Octopi-X: Cross-Modal Robotic Perception with a Large Vision–Language Model for Physical Property Inference,” in *IROS 2025 workshop*. (Oral&Poster Presentation) [[Openreview Paper](#)]

Z. Guo\*, **H. Chen\***, Q. Li, et al., “Cross-Modal Robotic Perception with a Large Vision–Language Model for Physical Property Inference,” in *CLAW 2025*. (Accepted) [[arXiv Paper:2506.19303](#)]

Z. Feng, **H. Chen**, L. Chen, X. Mou, “Path Planning Algorithm Comparison Analysis for Wireless AUVs Energy-Sharing System,” in *IEEE Industrial Electronic Technology News (ITeN)*, 2023. (Accepted) [[IEEE Paper](#)]

## EXPERIENCE

**Arbeit Gruppe Dexterous Robotics Lab, SZTU** September 2024 - Present  
*Research Assistant under Prof. Qiang Li and Dr. Nutan Chen* *Shenzhen, China*

- Research on Robot Learning.

**VALEO** March 2024 - August 2024  
*R&D Trainee under the supervision of System Engineer Yongwei Yang* *Kronach, Germany*

- Quantitatively analyzes the impact of latency and vehicle speed on remote urban driving control using statistical methods based on simulation and real-world vehicle data.

**Intelligent Automotive Research Team, SZTU** March 2024 - Aug 2024  
*Undergraduate Student under Prof. Heyan Li and Prof. Xiaolin Mou* *Shenzhen, China*

- Research on Vehicle Control and Path Planning.
- Team Technology Leader of AutoBots(Smart Racing Car Team).

## COMPETITIONS

**Chinese Robotics and Artificial Intelligence Competition (Intelligent Driving)** Hainan, China  
*Team Leader, 5th Place (National First Prize)* *June 2023*

- Participated in the development of ROS-based autonomous racing system, responsible for perception and planning modules.

## **Chinese Outdoor ROS Autonomous Racing Competition**

*Team Leader, 3th Place (National First Prize)*

Shenzhen, China

*December 2022*

- Developed intelligent driving algorithms for multi-sensor fusion and real-time decision-making.

### **TECHNICAL STRENGTHS**

---

<b>Programming Languages</b>	Python, C/C++, MATLAB, Bash
<b>Frameworks &amp; Libraries</b>	ROS/ROS2, PyTorch, OpenCV
<b>Tools &amp; Platforms</b>	Linux (Ubuntu), Git, Docker, Conda, VSCode, Gazebo
<b>Robotics &amp; Sensors</b>	Kinova Gen3, RealSense D435i/D455i, GelSight Mini