Zhefei Gong

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Education

École polytechnique fédérale de Lausanne (EPFL)   *Lausanne, Switzerland*
EXCHANGE STUDENT iN **COMPUTER SCiENCE**, SCHOOL OF COMPUTER & COMMUNiCATiON SCiENCE   *Sept 2023 - Feb 2024*
- Lab: VITA

Tongji University   *Shanghai, China*
B.ENG. iN **COMPUTER SCiENCE AND TECHNOLOGY**, COLLEGE OF ELECTRONiC & INFORMATiON ENGiNEERiNG   *Sept 2020 - Jul 2024*
- GPA: 91.9/100 ; Rank: 22/114(19.3%) ; Overall Rank: 18/114(15.8%)

Research Experience

Visual Intelligence for Transportation Lab, EPFL   *Lausanne, Switzerland*
Semester Program, Advised by Prof. Alexandre Alahi   *Sept 2023 - Jan 2024*
    Project:On the Synergy of Structured Visual Representation Learning and Embodied Self-Supervised Learning
- Recently AI agents rely excessively on human annotations and struggle to discover the latent structures of the physical world.
- Aim to address the challenges by synergizing structured visual representation learning with embodied self-supervised learning.

Intelligent Robotic and Computational Perception Lab, Tongji University   *Shanghai, China*
Research Intern, Advised by Prof. Zhongpan Zhu   *Jun 2022 - Sept 2022*
    Project:Vehicle re-identification using spatio-temporal correlation
- Design a smart park unmanned parking method based on spatiotemporal vehicle re-identification. And the patent is admitted.
- This is my first research project, which ignited my research interest on AI and real-world scene. I independently handled the majority of the coding, writing, and plotting.

Awards & Honors

COMPETiTiON ACHiEVEMENTS

2022	**National First Prize**, Intelligent Robot Fighting and Gaming Competition	*CAAI*
	*Design machine vision, navigation, control and other algorithms to use robots to complete established tasks.	Team Leader*	
2022	**The Second prize in East China Region**, National Intelligent Car Competition for Undergraduates	*CAA*
	*Design and manufacture intelligent vehicles using vision, control, navigation and other technologies to complete certain tasks.	Team Leader*	
2022	**The Third prize**, Mathematical Contest in Modeling	*CSIAM*
	*Apply mathematical, statistics, machine learning, etc. to solve real-world issues.	Key Member*	

PERSONAL HONORS

22-23	**LuHao Scholarship (1/119)**, honor	*Tongji University*
20-22	**Merit Scholarship (10%, twice)**, honor	*Tongji University*
20-23	**Social Activity Scholarship (three times)**, honor	*Tongji University*

Skills

Programming   C/C++, Python, Verilog, HTML/CSS, JavaScript, SQL, Arduino, etc.
Frameworks   Pytorch, NumPy, OpenCV, OpenMV, Qt, etc.
Soft Skills   Public Speaking and Presentation, Time Management, Teamwork, etc.

Language

Chinese   Native
English   Fluent (C1)
French   Preliminary