

Junxuan Liang

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🔗 <https://hitefork.github.io> 🌐 hitefork

Education

- BS** **Shanghai Jiao Tong University(SJTU)**, Computer Science, Zhiyuan Honors Program Sept 2022 – Present
- Overall Mark:85/100 GPA: 3.54/4.3
 - **Core Courses:** Machine Learning, Modern Operating System, Computational Theory

Publications

- Xinpeng Liu, **Junxuan Liang**, Zili Lin, Haowen Hou, Yong-Lu Li*, Cewu Lu* (*=corresponding authors). “ImDy: Human Inverse Dynamics from Imitated Observations.” arXiv preprint. Project URL:<https://foruck.github.io/ImDy/>
- Xinpeng Liu, **Junxuan Liang**, Chenshuo Zhang, Zixuan Cai, Cewu Lu*, Yong-Lu Li*(*=corresponding authors). “Homogeneous Dynamics Space for Heterogeneous Humans.” Under review as a conference paper
- Zixuan Chen, Jiaxin Li, **Junxuan Liang**, Liming Tan, Yejie Guo, Cewu Lu*, Yong-Lu Li*(*=corresponding authors). “M³-VOS: Multi-Phase, Multi-Transition, and Multi-Scenery Video Object Segmentation.” Under review as a conference paper

Experience

- Machine Vision and Intelligence Group (MVG)**, Research Assistant SJTU, Shanghai, China
June 2022 – Present
- Exploited the recently progressive human motion imitation algorithms to learn human inverse dynamics in a data-driven manner
 - Trained a data-driven human inverse dynamics solver ImDyS(olver) in a fully supervised manner, which conducts ID and ground reaction force estimation simultaneously
 - Supervised by Prof. Yong-Lu Li and Prof. Cewu Lu.
- Department Of Electrical Engineering**, Research Assistant SJTU, Shanghai, China
Feb 2022 – June 2022
- Proposed a distributed photovoltaic state monitoring model based on sparse coding, and distributed robust logistic regression algorithms

Awards

- Zhiyuan Honors Program Scholarship, SJTU, Shanghai, China 2023
- Third-Class Scholarship, SJTU, Shanghai, China 2024
- Merit Student(top 5%), SJTU, Shanghai, China 2024
- Meritorious Winner in Mathematical Contest In Modelling(Top 6.6%), America 2024
- National Special Award in Electronic&Electrical Engineering Innovation Competition, China 2024

Skills and interests

Languages: Native Cantonese & Mandarin, Fluent English(CET6 528)

Programming Languages: Python(most proficient), C/C++, etc.