Jinxi Xiao

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EDUCATION

- **ShanghaiTech University** — Shanghai, Mainland China
  Bachelor of Computer Science; GPA: 3.76 / 4.00; Rank: 8 / 178 — *2021.9 - Present*

SKILLS SUMMARY

- **Languages**: C, C++, Python, Shell scripting
- **Tools**: GIT, Matlab, ROS2, Docker

EXPERIENCE

- **Mobile Perception Lab** — Shanghai, mainland China
  Trainee — *2023.7 - Present*
  - **Point Cloud Bias Removal**: Project focused on removing biases from point clouds. My responsibilities encompass the generation of datasets, conducting experiments, and contributing to the development of the underlying code framework.
  - **Non-rigid**: This is the current research direction and is under investigation.

- **Teaching Assistant at ShanghaiTech** — Shanghai, mainland China
  For Prof. Boqing Xue — *2023.9 - 2024.1*
  - **Linear Algebra 1**: My responsibility includes marking homework and holding discussion classes. *Here* are my notes(slides) for the discussion class.

ACADEMIC PROJECTS

- **LiDAR-GTA-V**: Developed a plugin for game GTA-V to generates point cloud data automatically.
- **Lunar Lander**: This was the course project for *Artificial Intelligence.* I worked as the group leader and we had tried Deep Reinforcement Learning, Bayesian Network and many other methods to make the agent land successfully.
- **Human Age Estimation on Facial Images**: This was the course project for *Introduction to Machine Learning.* I worked as the group leader and we had implemented several methods like KNN, SVM and ResNet to solve the problem of estimating age on human facial images. In addition, we had came up with the *coarse-to-fine* method to achieve a high accuracy result close to SOTA
- **Monocular Depth Estimation**: This was the course project for *Computer Vision 1.* I came up with the method of combining *Optical Flow Module* with the *SOTA framework.* *This* is our final report.

HONORS AND AWARDS

- Awarded the title of Outstanding Student at ShanghaiTech University (Academic Year 2022-2023).
- Awarded the title of Outstanding Student at ShanghaiTech University (Academic Year 2021-2022).
- Awarded *Third Prize* in the preliminary round of the 15th National College Student Mathematics Competition.

ACTIVITIES

* Volunteering at the China Maritime Museum. (2022.10, 2023.10)
* Participating in the TuSimple AI Day. (2023.7)
* Volunteering at the Shanghai Marathon event. (2022.11)
* Serving as the leader of the news group in the social practice at Liupanshui, Guizhou Province. (2022.8)