

# JIAMAN LI

Email: [jiamanli@stanford.edu](mailto:jiamanli@stanford.edu) ([lijiaman.github.io](https://github.com/lijiaman))

## EDUCATION

---

<b>Stanford University</b> Ph.D. - Computer Science Advisor: Prof. C. Karen Liu and Prof. Jiajun Wu	<i>Sep. 2021 - Present</i>
<b>University of Southern California</b> M.Sc. (Ph.D. Program) - Computer Science Advisor: Prof. Hao Li	<i>Aug. 2019 - Aug. 2021</i>
<b>University of Toronto</b> M.Sc. - Computer Science Advisor: Prof. Sanja Fidler	<i>Sep. 2017 - Jan. 2019</i>
<b>University of Toronto</b> Exchange Student - Engineering	<i>Sep. 2016 - Dec. 2016</i> GPA: 4.0/4.0
<b>Beihang University</b> B.Eng - Software Engineering	<i>Sep. 2013 - June. 2017</i> GPA: 3.9/4.0, Rank: 1/131

## EXPERIENCE

---

- |  |   |
|--|---|
| <b>Stanford CogAI Lab and The Movement Lab, Palo Alto</b><br><i>Rotation Student</i> | <i>Jan. 2022 - May. 2022</i><br><i>Advisor: Prof. C. Karen Liu, Prof. Jiajun Wu</i> |
|--|---|
- Research on human motion estimation from egocentric video.
- |  |   |
|--|---|
| <b>Stanford Geometry Lab, Palo Alto</b><br><i>Rotation Student</i> | <i>Sep. 2021 - Dec. 2021</i><br><i>Advisor: Prof. Leonidas J Guibas</i> |
|--|---|
- Research on human motion generation in 3D scenes.
- |  |  |
|--|--|
| <b>Facebook Reality Lab, Sausalito</b><br><i>Research Intern</i> | <i>May. 2021 - Aug. 2021</i><br><i>Advisor: Dr. Yuanlu Xu, Dr. Nikolaos Sarafianos, Dr. Yuting Ye, Dr. Tony Tung</i> |
|--|--|
- Research on human motion tracking with learned motion priors.
- |  |  |
|--|--|
| <b>Adobe, San Jose</b><br><i>Research Intern</i> | <i>May. 2020 - Aug. 2020</i><br><i>Advisor: Dr. Ruben Villegas, Dr. Duygu Ceylan, Dr. Jimei Yang</i> |
|--|--|
- Research on learning motion priors for different downstream applications.
- |  |  |
|--|--|
| <b>NVIDIA, Toronto</b><br><i>Research Intern</i> | <i>Aug. 2018 - Jan. 2019</i><br><i>Advisor: Prof. Sanja Fidler</i> |
|--|--|
- Research on 3D human body modeling and character deformation.
- |   |   |
|---|---|
| <b>SenseTime Group Limited, Beijing</b><br><i>Research Intern</i> | <i>Feb. 2017 - Jun. 2017</i><br><i>Advisor: Dr. Xingyu Zeng</i> |
|---|---|
- Research on model acceleration for object detection and pedestrian orientation detection.
- |  |   |
|--|---|
| <b>Qihoo 360 AI Institute, Beijing</b><br><i>Software Engineer &amp; Research Intern</i> | <i>Mar. 2016 - Jul. 2016</i><br><i>Advisor: Dr. Junshi Huang, Prof. Shuicheng Yan</i> |
|--|---|
- Development of annotation tool for object detection and research on model acceleration.

## SELECTED PUBLICATIONS

---

13. Mark Endo\*, Joy Hsu\*, **Jiaman Li**, Jiajun Wu. “Motion Question Answering via Modular Motion Programs.” *ICML*, 2023.
11. Joao Pedro Araujo, **Jiaman Li**, Karthik Vetrivel, Deepak Gopinath, Jiajun Wu, Alexander Clegg, C. Karen Liu. “CIRCLE: Capture In Rich Contextual Environments.” *CVPR*, 2023.
10. **Jiaman Li**, C. Karen Liu<sup>†</sup>, Jiajun Wu<sup>†</sup>. “Ego-Body Pose Estimation via Ego-Head Pose Estimation.” *CVPR(Award Candidate)*, 2023.
9. Sifan Ye\*, Yixing Wang\*, **Jiaman Li**, Dennis Park, C. Karen Liu, Huazhe Xu<sup>†</sup>, Jiajun Wu<sup>†</sup>. “Scene Synthesis from Human Motion.” *SIGGRAPH Asia*, 2022.
8. Yang Zheng, Yanchao Yang, Kaichun Mo, **Jiaman Li**, Tao Yu, Yebin Liu, C. Karen Liu, Leonidas J. Guibas. “GIMO: Gaze-Informed Human Motion Prediction in Context.” *ECCV*, 2022.
7. Zhengfei Kuang, **Jiaman Li**, Mingming He, Tong Wang, Yajie Zhao. “DenseGAP: Graph-Structured Dense Correspondence Learning with Anchor Points.” *ICPR(Oral)*, 2022.
6. **Jiaman Li**, Ruben Villegas, Duygu Ceylan, Jimei Yang, Zhengfei Kuang, Hao Li, Yajie Zhao. “Task-Generic Hierarchical Human Motion Prior using VAEs.” *3DV*, 2021.
5. **Jiaman Li**\*, Zhengfei Kuang\*, Yajie Zhao, Mingming He, Karl Bladin, Hao Li. “Dynamic Facial Asset and Rig Generation from a Single Scan.” *SIGGRAPH Asia*, 2020.
4. **Jiaman Li**, Yihang Yin, Hang Chu, Yi Zhou, Tingwu Wang, Sanja Fidler, Hao Li. “Learning to Generate Diverse Dance Motions with Transformer.” (arxiv), 2020.
3. Maria Shugrina, Ziheng Liang, Amlan Kar, **Jiaman Li**, Angad Singh, Karan Singh, Sanja Fidler. “Creative Flow+ Dataset.” *CVPR*, 2019.
2. Ching-Yao Chuang, **Jiaman Li**, Antonio Torralba, and Sanja Fidler. “Learning to Act Properly: Predicting and Explaining Affordances from Images.” *CVPR*, 2018.
1. Xavier Puig\*, Kevin Ra\*, Marko Bohlen\*, **Jiaman Li**, Tingwu Wang, Sanja Fidler and Antonio Torralba. “VirtualHome: Simulating Household Activities via Programs.” *CVPR(Oral)*, 2018.

## ACADEMIC SERVICES

---

Reviewer for SIGGRAPH, SIGGRAPH Asia, Eurographics, CVPR, ICCV, AACL, TPAMI

## SKILLS

---

<b>Language</b>	English(Fluent), Mandarin(Native)
<b>Computer Programming</b>	Python, C++, C, C#, Java, PHP, Javascript, HTML
<b>Deep Learning Tools</b>	PyTorch, Tensorflow, Caffe

## REWARDS AND HONORS

---

Wu Tsai Human Performance Fellowship	Oct. 2023
USC Annenberg Graduate Fellowship	Aug. 2019
University of Toronto Fellowship, Faculty of Arts and Science	Oct. 2017 and 2018
University of Toronto Tuition Fellowship, Faculty of Arts and Science	Oct. 2017 and 2018
China Scholarship Council (CSC) scholarships	Sep. 2016
National Scholarship	Sep. 2014