

Yuliang Xiu

2ND YEAR PH.D. STUDENT

Max Planck Institute for Intelligent Systems, Perceiving Systems

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Education

Max Planck Institute for Intelligent Systems, Perceiving Systems

Tübingen, Germany

PH.D. STUDENT, MARIE SKŁODOWSKA-CURIE INDIVIDUAL FELLOW

Nov. 2020 - Nov. 2023 (expected)

Supervised by Prof. Michael J. Black and Dr. Dimitrios Tzionas

🔗 **ICON 100+ star**: *ICON: Implicit Clothed humans Obtained from Normals*

University of Southern California, Institute for Creative Technology

California, USA

PH.D. STUDENT/ RESEARCH ASSISTANT

June - Nov in 2018, Sep. 2019 - Oct. 2020

Supervised by Prof. Hao Li, Dr. Jun Xing and Dr. Yajie Zhao

🔗 **MonoPort 300+ star**: *Real-Time Monocular Volumetric Human Teleportation (ECCV2020, SIGGRAPH RTL2020)*

Shanghai Jiao Tong University, Machine Vision and Intelligence Group

Shanghai, China

MASTER OF SCIENCE (M.Sc.), COMPUTER SCIENCE AND TECHNOLOGY

Sep. 2016 - March. 2019

Supervised by Prof. Cewu Lu

🔗 **AlphaPose 5k+ star**: *Real-Time Multi-Person Pose Estimation and Tracking*

🔗 **PoseFlow 300+ star**: *Efficient Online Pose Tracking (BMVC2018)*

🔗 **MobilePose 500+ star**: *Tiny 2D pose estimator on the mobile device*

Master Thesis: *Pose Trajectory Extraction and Body Novel-View Synthesis from Visual Content*

Shandong University

Jinan, Shandong, China

BACHELOR OF ENGINEERING (B.ENG.), DIGITAL MEDIA TECHNOLOGY

Sep. 2012 - July. 2016

Cumulative GPA: 3.8/4.0 | Major GPA: 3.94/4.0 | **Ranking 1st/53**

Internship Experience

Y-tech Graphics AI Team @ Kwai

Palo Alto, CA

SUMMER RESEARCH INTERN, ADVISED BY DR. CHONGYANG MA

May. 2020 - Aug. 2020

🔗 **NASA.PyTorch 30+ star**: *PyTorch implementation of "NASA: Neural Articulated Shape Approximation"*

Light Chaser Animation Studios

Beijing, China

SUMMER RESEARCH INTERN, ADVISED BY DR. XINXIN ZHANG

June. 2019 - July. 2019

Decompose sparse and localized facial blendshapes from an animated mesh sequence

Publications

ICON: Implicit Clothed humans Obtained from Normals [Project](#)

arXiv Preprint

YULIANG XIU, JINLONG YANG, DIMITRIOS TZIONAS, MICHAEL J. BLACK

2021

Monocular Real-Time Volumetric Performance Capture [Project](#)

ECCV (27% acc)

YULIANG XIU*, RUILONG LI*, SHUNSUKE SAITO, ZENG HUANG, KYLE OLSZEWSKI, HAO LI (* EQUAL CONTRIBUTION)

2020

Volumetric Human Teleportation [Demo](#)

SIGGRAPH Real-Time Live

RUILONG LI, KYLE OLSZEWSKI, YULIANG XIU, SHUNSUKE SAITO, ZENG HUANG, HAO LI

2020

Pose Flow: Efficient Online Pose Tracking [Paper](#) [News](#)

BMVC (29.9% acc)

YULIANG XIU, JIEFENG LI, HAoyu WANG, YINGHONG FANG, CEWU LU

2018

PoseHD: Boosting Human Detectors using Human Pose Information [Paper](#)

AAAI (24.5% acc)

ZHIJIAN LIU, BOWEN PAN, YULIANG XIU, AND CEWU LU



2018

Honors & Awards

SCHOLARSHIPS

Sep 2020	Ph.D. Scholarship of Marie Skłodowska-Curie Innovative Training Networks (Horizon 2020)	Tübingen, Germany
Jan 2019	Annenberg Fellowship Viterbi School of Engineering at USC (2019-2022)	Los Angeles, USA
Oct 2017	Excellent Graduate Student Scholarship top 10% in Department of Computer Science	Shanghai, China
Aug 2015	Chinese National Scholarship highest honor for undergraduates, top 2% nationwide	Jinan, China
Jun 2015	Baoquan Chen Scholarship(Dean's List Award) top 5 of all grades in Department of Computer Science	Jinan, China
2013-2015	First Prize Scholarship top 6% in China, three-year continuous	Jinan, Chin

CONTESTS

Apr 2015	Meritorious Winner(Global top 9%) in 2015 Mathematical Contest in Modeling (MCM)	Jinan, China
June 2017	Silver Winner (Global top 4%, 121/3307) Quora Question Pairs Competition in 	Shanghai, China
June 2017	Copper Winner(Global top 14%, 92/655) YouTube-8M Video Understanding Challenge in 	Shanghai, China

Skills

Programming	Python(Numpy, PyTorch, Tensorflow, Caffe), Matlab, Lua(Torch), C/C++, C#, JAVA, Objective-C, Shell, \LaTeX
Languages	Native in Chinese (Mandarin), Fluent in English (GRE: V 150, Q 170, AW 3 TOEFL: R 26, L 24, S 24, W 29)