

Yuliang Xiu

SECOND YEAR M.PHIL STUDENT

Department of Computer Science, Shanghai Jiao Tong University, Shanghai, China, 200240

☎ (+86) 132-629-08003 | ✉ yuliangxiu@sjtu.edu.cn | 🏠 www.xiuyuliang.cn | 📷 YuliangXiu | 📺 yuliangxiu

Summary

I am a 2nd year M.Phil in [Machine Vision and Intelligence Group \(MVG\)](#) at Shanghai Jiao Tong University, advised by Prof. [Cewu Lu](#). I got the B.Eng. of Digital Media Technology at Shandong University, advised by Prof. [Lu Wang](#). My research interests are on Computer Vision, Machine Learning (including Deep Learning), Natural Language Processing and Computer Graphics. **Looking for a Interest-Match Ph.D. Program which starts from Fall 2019.**

Education

Shanghai Jiao Tong University

Shanghai, China

MASTER OF SCIENCE(MSC), COMPUTER SCIENCE AND APPLICATION

Sep. 2016 - March. 2019(expected)

- Overall Ranking 12th/127
- [Machine Vision and Intelligence Group \(MVG\)](#), Department of Computer Science
- Research Topics:
 - Boosting human detectors using human pose information(accepted by AAAI'18)
 - Human pose estimation on mobile device(Reproduce Google's [DeepPose](#) by Pytorch)
 - Multi-Person Pose Tracking in video(achieves current **SOTA** in PoseTrack Challenge)
- Selected Projects:
 - Quora Question Pairs@Kaggle, **Silver Winner** [Report](#)
- Advisor: Prof. [Cewu Lu](#)

Shandong University

Jinan, Shandong, China

BACHELOR OF SCIENCE(BSC), DIGITAL MEDIA TECHNOLOGY

Sep. 2012 - July. 2016

- Training plan of Digital Media Technology mainly focus on Computer Graphics, Game Design and Art
- GPA: Overall: 84.7/100 | Major: 89.05/100 | **Ranking 1st/53**
- [Research Center of HCI&VR](#), Department of Software Engineering
- Research topics:
 - Geometric modeling of particle system(National 863 Program)
 - 3D Military Boxing Learning System(Unity 3D)
 - Goback: Pinball Game (Cocos2d, iOS Platform)
- Advisor: Prof. [Lu Wang](#)

Publications

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

ArXiv'18

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

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

AAAI'18 (24.5% acc)

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

Overseas Experience

University of California, Berkeley

Berkeley, CA

TWO MONTHS EXCHANGE STUDENT

July. 2016 - Aug. 2016

- CS188 Reinforcement Learning on Pacman Game [Pacman Game](#)
 - Develop a Pacman Game Engine, which supports BFS, DFS, A* search, Multi-Agent Search and Q-learning

National Cheng Kung University

Tainan, Taiwan

SIX MONTHS EXCHANGE STUDENT

Sep. 2014 - Feb. 2015

- GPA: Major: 89.7/100
- Advanced Computer Graphics, **100/100** [Racing Game by OpenGL](#)
 - Develop a car racing game using OpenGL, which supports circular track, custom colors, texture mapping, first-person & third-person perspective, speed controller and true-to-life scenarios

Skills

Programming Languages Python(Numpy, Tensorflow, Pytorch, Caffe), Matlab, Lua(Torch), C++, OpenGL, C#(Unity), JAVA, Objective-C, Shell, LaTeX
Chinese(Native), English(TOEFL Speaking 24, fluent in reading and writing academic papers, 2 months UCB exchange student)

Honors & Awards

SCHOLARSHIPS

- 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

- Feb 2018 **1st in mAP and 2nd in MOTA**, PoseTrack Challenge[PoseFlow, MVIG] **Leaderboard** *Shanghai, China*
- Nov 2017 **Second Class Winner**, 2017 National Postgraduate **Mathematical Contest in Modeling (NPMCM)** *Shanghai, China*
- Nov 2016 **Second Class Winner**, 2016 National Postgraduate **Mathematical Contest in Modeling (NPMCM)** *Shanghai, China*
- Apr 2015 **Meritorious Winner(Global top 9%)**, in 2015 **Mathematical Contest in Modeling (MCM)** *Jinan, China*
- Dec 2017 **Top 10 Winner(OK-Anyway: 0.53224)**, AI Challenger - Keypoint Estimation **Leaderboard** *Shanghai, China*
- June 2017 **Silver Winner (Global top 4%, 121/3307)**, Quora Question Pairs Competition in **Kaggle** *Shanghai, China*
- June 2017 **Copper Winner(Global top 14%, 92/655)**, YouTube-8M Video Understanding Challenge in **Kaggle** *Shanghai, China*
- May 2015 **Outstanding Winner**, 11th Challenge Cup National College Students Business Plan Competition *Jinan, China*
- Apr 2014 **Silver Winner**, Qilu College Students Business Plan Competition of Shandong Province *Jinan, China*

Teaching Assistant

CS348 Computer Vision (ACM Class) [Homepage](#)

Shanghai Jiao Tong University

HEAD TA

Fall2017

- Lecture4: Object Detection [Slices](#)

MakerFunc [Homepage](#)

Suzhou, China

MACHINE LEARNING LECTURER

July. 2017 - Aug. 2017

- Teach undergraduates some basic knowledge about AI [Video\(Me\[0:57\]\)](#)

OpenCourse Achievements

DeepLearning.ai

Palo Alto, CA

ANDREW NG

- Neural Networks and Deep Learning **Certificate**
- Improving Deep Neural Networks **Certificate**
- Structuring Machine Learning Projects **Certificate**
- Convolutional Neural Networks **Certificate**

Stanford University

Palo Alto, CA

ANDREW NG

- Machine Learning **Certificate** [CS229 Projects](#)
- CS231n Convolutional Neural Networks for Visual Recognition [CS231n Projects](#)

Extracurricular Activity

Kaggle

EXPERT PLAYER

- I am an Expert player of **Kaggle** with 1 silver medal and 1 copper medal (Highest rank global top 2.8%, 1711/60430).

Writing

POPULAR ANSWERER OF [ZHIHU](#)

- 10k followers, 60k approval, 11k thanks, 24k favorites

Debate

Jinan, China

CHIEF SUMMARY SPEAKER

2012-2015

- I served as chief summary speaker in debate team of the college of software engineering at Shandong University for three years, we made the best achievement in software engineering college's history (Copper Medal, rank 8 among 32 departments)

Riding

Taiwan

PROFESSIONAL BACKPACKER

Feb 2015

- I spend 9 days riding around Taiwan Island(about 990KM), Here are some of my [travels](#).

Movie

Jinan

CINEPHILE

May 2014

- I made an MTV for GALA Band. [Newborn Boy and Rising Sun](#)