

Haoshu Fang

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EDUCATION

School: Shanghai Jiao Tong University; Major: Computer Science; Degree: Bachelor
Graduation date: 07/2018; GPA: 86/100

- Academic Excellence Scholarship of SJTU(Top 15%) Oct. 2016
- Academic Progress Scholarship of SJTU Oct.2015

PUBLICATIONS & RESEARCH

- Machine Vision and Intelligence Group of SJTU 2016.4 – present
 - RMPE: Regional Multi-person Pose Estimation [[Paper](#)] [[Code](#)] [[Project](#)]
Haoshu Fang, Shuqin Xie, Yuwing Tai, Cewu Lu.
International Conference on Computer Vision (ICCV), 2017.

COMPETITIONS & AWARDS

- CVPR 2017 Workshop, Look Into Person (LIP) Challenge 2017.5
Third place at the 1st Look Into Person (LIP) Challenge of CVPR'17 workshop on Visual Understanding of Humans in Crowd Scene
- [Microsoft Beauty of Programming \(BOP\) 2016](#) 2016.3 – 2016.5
Best Demo prize in the final (3/5000).
- ASC16 Student Supercomputer Challenge 2016.1 – 2016.4
Participate in the ASC16 Student Supercomputer Challenge held by Asia Supercomputer Community. Our team is the 2nd among 178 teams
- Microsoft Penta Hackathon 2015.11
Our Team ranks top 12. The demo of our product is here: <https://youtu.be/7uL-M7eat9Q>
- Intel Parallel Application Challenge 2015 2015.5 - 2015.11
Our team is the 4th, competing with more than 200 teams from all over the country.

INTERNSHIP

- [VCLA, UCLA](#) 2017.6 - 2017.9
Research intern on computer vision, focus on 4D pose estimation. Advised by Professor. Song-chun Zhu
- [Tencent, YouTu Lab](#) 2017.2 - 2017.6
Research intern on computer vision, focus on human-object-interaction. Advised by Professor. Yuwing Tai
- [SenseTime](#) 2016.6 - 2016.12
Research intern on computer vision, focus on object detection, pose estimation, scene&object classification and model compression.

MAIN PROJECTS

● [Multi-person Pose Estimation](#)

Final results: A framework that can automatically estimate human poses in wild images

Technology/Tools used: Caffe, Torch7

Achievement: Our method is 17% more accurate(76.7 VS 59.5 mAP) and 600 times faster than the previous state-of-the-art on ECCV16

Reference: RMPE: Regional Multi-person Pose Estimation.

● [Vehicle Driving Simulator](#)

Final results: A Software on windows and an app on Android. They together can simulate the experience of vehicle driving.

Hardware used: ●Leap motion ●An android phone with camera ●A toy car with MSP-EXP430 and Bluetooth ●A laptop

Technology used: Android Studio, Socket communication, OpenCV

Components: 1. An android app that sends video of the road and controls the car
2. A windows program that captures hand movement and sends commands.

- And other projects like [Line Follower Robot](#), [Video Colorization](#), [Simple Search Engine](#), [Compiler For Small-C](#), [Game Controller for LFS](#), etc.

SKILLS

Languages: C/C++, Python, Lua, MATLAB

Frameworks: Torch7, TensorFlow, Caffe