Hang Chu

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EDUCATION

Dept. of Electronic Engineering, Shanghai Jiao Tong University (SJTU)　　　　**Sept. 2009-July 2013**
　Information Engineering
- Major GPA 3.90/4.30 (91.2/100) (rank 20/290)
- Excellent Bachelor Thesis Award (3/290)

School of Electrical and Computer Engineering, Cornell University　　　　**Aug. 2013-present**
　2-year research-oriented Master of Science program, concentration in Computer Vision
- Advised by Prof. Tsuhan Chen, Dr. Andrew Gallagher, and Prof. Ashutosh Saxena
- GPA 4.04/4.30 (rank 1/8)

PUBLICATIONS

Hang Chu, Weiyao Lin, Jianxin Wu, Xingtong Zhou, Yuanzhe Chen, and Hongxiang Li, A New Heat-Map-based Algorithm for Human Group Activity Recognition, ACM Multimedia (ACM MM), 2012. (pdf, demo)
Weiyao Lin, **Hang Chu**, Jianxin Wu, Bin Sheng, and Zhenzhong Chen, A Heat-Map-based Algorithm for Recognizing Group Activities in Videos, IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2013. (pdf, demo)
Hang Chu, Andrew Gallagher, and Tsuhan Chen, GPS Refinement and Camera Orientation Estimation from a Single Image and a 2D Map, Workshop on Mobile Vision, Computer Vision and Pattern Recognition (CVPR), 2014. (pdf, demo)
Hang Chu, and Anh Vu, Consistent Ground-Plane Mapping: A Case Study Utilizing Low-Cost Sensor Measurements and a Satellite Image, International Conference on Robotics and Automation (ICRA), 2015. (pdf, demo)
Hang Chu, Dong-Ki Kim, and Tsuhan Chen, You Are Here: Mimicking the Human Thinking Process in Reading Floor-Plans, submitted to International Conference on Computer Vision (ICCV), 2015. (pdf, demo)

RESEARCH EXPERIENCES

Undergraduate Researcher, Computer Vision Group, Dept. of Electronic Engineering, SJTU
　Advisor: Prof. Weiyao Lin　　　　**Jan. 2012-July 2013**
Description: Research on crowd behavior analysis in surveillance videos.

Undergraduate Researcher, Machine Learning Group, Dept. of Computer Science, SJTU
　Advisor: Prof. Wu-Jun Li　　　　**Sept. 2011-Jan. 2013**
Description: Research on image hashing and social network sentiment analysis.

M.S. Student, Advanced Multimedia Processing Lab, Cornell University
　Advisor: Prof. Tsuhan Chen, Dr. Andrew Gallagher, and Prof. Ashutosh Saxena　　　　**Aug. 2013-present**
Description: Research on algorithms of outdoor/indoor vision-based localization.

INTERNSHIPS

Research Intern, China Mobile Research Institute　　　　**July-Sept. 2012**
Description: Research on WiFi fingerprint-based indoor localization algorithms.
Research Intern, Volkswagen Electronics Research Laboratory　　　　**June-Aug. 2014**
Description: Research on mapping for autonomous vehicles.

ACADEMIC ACTIVITIES

Reviewer/External Reviewer
CVPR 2014-2015, ECCV 2014, ACCV 2014, Journal of CSSP since 2014, ICIP 2015

SKILLS

C/C++, Matlab, Python, JavaScript, VHDL, ROS, Julia, LabVIEW, Altium Designer, Multisim