

Hang Chu

Cornell University, Department of Electrical and Computer Engineering

Mobile: (607) 280-7083 / E-mail: chuhang1122@gmail.com, hc772@cornell.edu

Address: 2250 N. Triphammer Rd. S2E, Ithaca, NY

ACADEMIC QUALIFICATIONS

Dept. of Electronic Engineering, Shanghai Jiao Tong University (SJTU) Sept. 2009-Jul. 2013

Major in Information Engineering

- GPA 3.84 (89.7/100) (Top 5%)
- Excellent Bachelor Thesis Award (Top 1%)

Dept. 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 4.0

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. ([link](#))

Hang Chu*, Weiyao Lin*, 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. ([link](#))

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. ([link](#))

Hang Chu, and Anh Vu, Consistent Ground-Plane Mapping: A Case Study Utilizing Low-Cost Sensor Measurements and a Satellite Image, submitted to International Conference on Robotics and Automation (ICRA), 2015. ([link](#))

RESEARCH EXPERIENCES

Student Researcher, Institute of Image Communication and Information Processing, SJTU

Project: Group Activity Recognition *Advisor: Prof. Weiyao Lin* Jan. 2012-Jul. 2013

Description: Research on a new algorithm of Heat-Map-Based (HMB) for crowd behavior detection and recognition in surveillance videos.

Student Researcher, Machine Learning Group, Dept. of Computer Science, SJTU

Project: Social Media Analysis *Advisor: Prof. Wu-Jun Li* Sept. 2011-Jan. 2013

Description: Research on Image Hashing and Sentiment Analysis.

M.S. Student, Advanced Multimedia Processing Lab, Dept. of ECE, Cornell University

Advisor: Prof. Tsuhan Chen, Dr. Andrew Gallagher, and Prof. Ashutosh Saxena Aug. 2013-present

Description: Ongoing projects: visual localization and navigation.

INTERNSHIPS

Intern, China Mobile Research Institute Jul.-Sept. 2012

Location Based Service (LBS) program

Research Intern, Volkswagen Electronics Research Laboratory Jul.-Aug. 2014

Autonomous Driving Systems

SKILLS

C/C++, Matlab, Python, JavaScript, VHDL, LabVIEW, Altium Designer