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%)

RWTH Aachen University, Germany   **Aug. 2011**
   Summer School Program on Automation and Simulation

INSA Lyon - SJTU Specific Program of Engineering in Telecommunications   **Feb. -May 2013**
   Intelligent Face Verification System

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)

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.*

Student Researcher, Institute of Wireless Communications, Dept. of Electronic Engineering, SJTU

   Project: Seamless Wireless Localization System   Advisor: Prof. Hui Yu   **May 2012-Jan. 2013**

Description: *The National 863 Key Projects of Seamless Wireless Localization System in Super-Large Cities.*

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.*

Student Researcher, Advanced Multimedia Processing Lab & FutureWei Media Lab

   Advisor: Prof. Tsuhan Chen, Dr. Dong-qing Zhang, and Dr. Heather Yu   **Feb. 2014-present**

Description: *Photo aesthetic evaluation.*

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, Julia, Perl, VHDL, LabVIEW, Altium Designer