Hang Chu

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EDUCATION

Dept. of Electronic Engineering, Shanghai Jiao Tong University (SJTU)   Sept. 2009-Jul. 2013
  Electrical and Information Engineering
- Major GPA 3.90 (91.2/100) (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, demo)

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. (* for equal contribution) (link, 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. (link, demo)

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, demo)

Hang Chu, and Tsuhan Chen, Towards Indoor Localization with Floorplan-Assisted Priors, submitted to Computer Vision and Pattern Recognition (CVPR), 2015. (link, demo)

RESEARCH EXPERIENCES

Undergraduate Researcher, Institute of Image Communication and Information Processing, SJTU
  Advisor: Prof. Weiyao Lin   **Jan. 2012-Jul. 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, Dept. of ECE, 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

Intern, China Mobile Research Institute   **Jul.-Sept. 2012**
Description: Research on WiFi fingerprint-based indoor localization algorithms.

Research Intern, Volkswagen Electronics Research Laboratory   **Jul.-Aug. 2014**
Description: Research on mapping for autonomous vehicles.

TECHNICAL ACTIVITIES

Reviewer

Computer Vision and Pattern Recognition (CVPR) 2014, European Conference on Computer Vision (ECCV) 2014, Asian Conference on Computer Vision (ACCV) 2014, Journal of Circuits, Systems, and Signal Processing (CSSP) since 2014

SKILLS

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