



- INSTITUTE OF ARTIFICIAL INTELLIGENCE AND ROBOTICS, XJTU, XI'AN, SHAANXI, CHINA  
TEACHING ASSISTANT.  
◦ *Digital Signal Processing*, Spring 2001, 02/2001 - 07/2001

#### SUPERVISION

- [S10] Xiao Zhang, Summer Intern, “Efficient Visual Representation for Video”, Tsinghua University, Beijing, China, 2009
- [S9] Dahua Lin, Summer Intern, “Cooperative Tagging with Cross-domain Inference”, MIT, Boston, MA, (co-supervise with Dr. Simon Baker, Dr. Ashish Kapoor) 2009
- [S8] Shiliang Zhang, Intern, “Descriptive Visual Words for Large Scale Visual Understanding”, Chinese Academy of Science, Beijing, China, (co-supervise with Dr. Qi Tian) 2008-2009
- [S7] John Wright, Summer Intern, “Robust Pose-variant Face Recognition”, University of Illinois, Urbana-Champaign, IL, (now with Microsoft Research Asia) 2008
- [S6] Zhe Lin, Summer Intern, “Robust Real-time Object Detection”, University of Maryland, College Park, MD, (now with Adobe Systems Incorporated) 2008
- [S5] Tian Xia, Summer Intern, “Video Quality Assessment”, Chinese Academy of Science, Beijing, China, (co-supervise with Dr. Tao Mei) 2008
- [S4] David Liu, Summer Intern, “Object Recognition from Images and Videos”, Carnegie Mellon University, Pittsburgh, PA, (now with Siemens Corporate Research) 2007
- [S3] Aayush Sharma, Summer Intern, “Multiple Training for Visual Tag Propagation”, Indian Institute of Technology, Roorkee, Indian, (co-supervise with Dr. Zicheng Liu) 2007
- [S2] Jack M. Wang, Summer Intern, “Learning Good Local Image Features”, University of Toronto, Toronto, Ontario, Canada, (co-supervise with Dr. Matthew Brown) 2007
- [S1] Derrick Elsner, Student Research Associate, “Vision based Perceptual Power-point Presentation”, Northwestern University, Evanston, IL, 2005

#### PUBLICATION

- BOOK, BOOK CHAPTER, DISSERTATION AND THESIS

- [B5] **Gang Hua**, “Complex Visual Motion Analysis via Probabilistic Variational Methods: A Distributed and Collaborative Approach”, VDM Verlag Dr. Muller AG & Co. KG, 2009. (ISBN: 978-3-639-11710-3)
- [B4] **Gang Hua**, “Face Recognition by Discriminative Orthogonal Rank-one Tensor Decomposition”, invited Book Chapter, in *Recent Advances in Face Recognition*, Edited by Marian Stewart Bartlett, Kresimir Delac and Mislav Grgic, 2008. ((ISBN: 978-953-7619-34-3))
- [B3] **Gang Hua**, “Probabilistic Variational Methods for Vision based Complex Motion Analysis”, *Ph.D. Dissertation*, Northwestern University, June, 2006.
- [B2] **Gang Hua**, “Software& Hardware Co-design of Reconfigurable Real-time Signal Compression System and Research on the Algorithms”, *M.S. Thesis*, XJTU, Press 2002. (in Chinese)
- [B1] **Gang Hua**, “Research of the digital processing algorithms in DPTV and its FPGA realization” , *B.S. Thesis*, XJTU., Press 1999. (in Chinese)

- REFEREED JOURNAL ARTICLES

- [J10] Matthew Brown, **Gang Hua**, and Simon Winder, “Discriminative Learning of Local Image Descriptors”, Submitted to *IEEE Trans. on Pattern Analysis and Machine Intelligence*, 2009. (under review)
- [J9] David Liu, **Gang Hua**, and Tsuhan Chen, “A Hierarchical Visual Model for Video Object Summarization”, *IEEE Trans. on Pattern Analysis and Machine Intelligence*, 2009. (to appear)
- [J8] Yang Wang, Lei Zhang, Zicheng Liu, **Gang Hua**, Zhen Wen, Zhengyou Zhang, and Dimitris Samaras, “Face Re-Lighting from a Single Image under Arbitrary Unknown Lighting Conditions”, *IEEE Trans. on Pattern Recognition and Machine Intelligence*, 2009 (in press).
- [J7] Ming Yang, Ying Wu, and **Gang Hua**, “Context-aware Visual Tracking”, *IEEE Trans. on Pattern Recognition and Machine Intelligence*, Vol. 31, No. 7, pp.1195-1209, July 2009.
- [J6] **Gang Hua** and Ying Wu, “A Decentralized Probabilistic Approach to Articulated Body Tracking”, *Computer Vision and Image Understanding (CVIU), Special issue on spatial co-*

herence for visual motion analysis, Vol. 18, Issue 3, pp.272-283, 2007.

- [J5] **Gang Hua**, Zicheng Liu, Zhengyou Zhang and Ying Wu, "Iterative local-global energy minimization for automatic extraction of object of interest", *IEEE Trans. on Pattern Recognition and Machine Intelligence (PAMI)*, Vol.28, No.10, pp.1701-1706, October, 2006.
- [J4] **Gang Hua** and Ying Wu, "Sequential Mean Field Variational Analysis of Structured Deformable Shapes", *Computer Vision and Image Understanding (CVIU)*, Vol.101, Issue 2, pp. 87-99, February, 2006.
- [J3] **Gang Hua** and Ying Wu, "Variational Maximum a Posteriori by Annealed Mean Field Analysis", *IEEE Trans. on Pattern Recognition and Machine Intelligence (PAMI)*, Vol.27, No.11, pp.1747-1781, November, 2005.
- [J2] Yan Gao, **Gang Hua** and Guoji Sun, "A New Hybrid Method for Fast Vector Quantization", *Microelectronics & Computer*, Vol.20, No.2, pp.56-59, February, 2003. (in Chinese)
- [J1] **Gang Hua**, Nanning Zheng and Jianru Xue, "An Approach Based on Improved Genetic Algorithm to Selecting the Threshold Automatically in Edge detection and Its Application in Computer Vision System", *Mini-micro Systems*, Vol.23, No.3, pp.318-321, March, 2002. (in Chinese)

• REFERRED CONFERENCE PAPERS

- [C28] **Gang Hua** and Amir Akbarzadeh, "A Robust Elastic and Partial Matching Metric for Face Recognition", in Proc. *The Twelfth IEEE International Conf. on Computer Vision (ICCV'2009)*, Kyoto, Japan, October, 2009.
- [C27] Ashish Kapoor, **Gang Hua**, Amir Akbarzadeh, and Simon Baker, "Which Faces to Tag: Adding Prior Constraints into Active Learning", in Proc. *The Twelfth IEEE International Conf. on Computer Vision (ICCV'2009)*, Kyoto, Japan, October, 2009.
- [C26] Shiliang Zhang, Qi Tian, **Gang Hua**, Wen Gao, and Shipeng Li, "Descriptive Visual Words: the Visual Correspondences of Text Words", in Proc. *ACM International Conference on Multimedia*, Beijing, China, October, 2009.
- [C25] **Gang Hua**, Cha Zhang, Zhengyou Zhang, Zicheng Liu and Ying Shan, "Efficient Scale-space Spatiotemporal Saliency Tracking for Distortion-Free Video Retargeting", in Proc. *The Ninth Asian Conference on Computer Vision (ACCV'2009)*, Xian, China, September 2009.
- [C24] **Gang Hua** and Qi Tian, "What Can Visual Content Analysis Do For Text Based Image Search?", *invited*, in Proc. *IEEE International Conference on Multimedia & Expo (ICME'2009)*, Cancun, Mexico, July, 2009.
- [C23] John Wright and **Gang Hua**, "Implicit Elastic Matching with Randomized Projections for Pose-variant Face Recognition", in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR'2009)*, Mami, FL, 2009.
- [C22] Zhe Lin, **Gang Hua**, and Larry S. Davis, "Multiple Instance Feature for Robust Part-based Object Detection", in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR'2009)*, Mami, FL, 2009.
- [C21] Simon Winder, **Gang Hua**, Matthew Brown, "Picking the Best Daisy", in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR'2009)*, Mami, FL, 2009.
- [C20] David Liu, **Gang Hua**, and Tsuhan Chen, "VideoCut: Removing Irrelevant Frames by Discovering the Object of Interest", in Proc. *The Tenth European Conf. on Computer Vision (ECCV'2008)*, Vol.1, pp.441-453, Marseille, France, 2008.
- [C19] David Liu, **Gang Hua**, Paul A. Viola, and Tsuhan Chen, "Integrated Feature Selection and Higher-order Spatial Feature Extraction for Object Categorization", in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR'2008)*, Anchorage, AK, 2008.
- [C18] Aayushi Sharma, **Gang Hua**, Zicheng Liu, and Zhengyou Zhang, "Meta-tag propagation by Co-training an Ensemble Classifier for Improving Image Search Relevance", in Proc. *First IEEE Internal Workshop on Internet Vision*, in Conjunction with *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR'2008)*, Anchorage, AK, 2008.
- [C17] **Gang Hua**, Matthew Brown, and Simon Winder, "Discriminant Embedding for Local Image Descriptors", in Proc. *IEEE International Conference on Computer Vision, (ICCV'2007)*, Rio de Janeiro, Brazil, October, 2007.

- [C16] **Gang Hua**, Ting-Yi Yang, and Srinath Vasireddy, “PEYE: Toward a Visual Motion Based Perceptual Interface for Mobile Devices”, in Proc. *IEEE International Workshop on Human Computer Interaction, in Conjunction with IEEE International Conference on Computer Vision, (ICCV-HCI’2007)*, Lecture Notes in Computer Science 4796, pp.39-48, Springer 2007, ISBN 978-3-540-75772-6
- [C15] **Gang Hua**, Paul Viola, and Steven Drucker, “Face Recognition using Discriminatively Trained Orthogonal Rank One Tensor Projections”, in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR’2007)*, Minneapolis, MN, June, 2007.
- [C14] Yang Wang, Zicheng Liu, **Gang Hua**, Zhen Wen, Zhengyou Zhang, and Dimitris Samaras, “Face Re-Lighting from a Single Image under Harsh Lighting Conditions”, in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR’2007)*, Minneapolis, MN, June, 2007.
- [C13] **Gang Hua**, Zicheng Liu, Zhengyou Zhang and Ying Wu, “Automatic Business Card Scanning with a Camera”, in Proc. *IEEE International Conference on Image Processing (ICIP’2006)*, Atlanta, GA, October, 2006.
- [C12] **Gang Hua** and Ying Wu, “Measurement Integration Under Inconsistency for Robust Tracking”, in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR’2006)*, Vol.1, pp.650-657, New York City, NY, June, 2006.
- [C11] Zhimin Fan, Ming Yang, Ying Wu, **Gang Hua** and Ting Yu, “Efficient Optimal Kernel Placement for Reliable Visual Tracking”, in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR’2006)*, Vol.1, pp.658-665, New York City, NY, June, 2006.
- [C10] **Gang Hua**, Ming-Hsuan Yang and Ying Wu, “Learning to Estimate Human Pose with Data Driven Belief Propagation”, in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR’2005)*, Vol.2, pp.747-754, San Diego, CA, June, 2005.
- [C9] Ying Wu, Ting Yu, and **Gang Hua**, “A Statistical Field Model for Pedestrian Detection”, in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR’2005)*, Vol.1, pp.1023-1030, San Diego, CA, June, 2005.
- [C8] **Gang Hua** and Ying Wu, “Capturing Human Body Motion from Video for Perceptual Interfaces by Sequential Variational MAP”, *Invited*, in Proc. *The Eleventh International Conf. on Human-Computer Interaction (HCI’2005)*, Las Vegas, Nevada, July, 2005.
- [C7] **Gang Hua** and Ying Wu, “Multi-scale Visual Tracking by Sequential Belief Propagation”, in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR’2004)*, Vol.1, pp.826-833, Washington, DC, June, 2004.
- [C6] **Gang Hua**, Ying Wu and Ting Yu, “Analyzing Structured Deformable Shapes Via Mean Field Monte Carlo”, in Proc. *The Sixth Asia Conf. on Computer Vision (ACCV’2004)*, Jeju Island, Korea, January, 2004.
- [C5] Ying Wu, **Gang Hua** and Ting Yu, “Tracking Articulated Body by Dynamic Markov Network”, in Proc. *IEEE International Conf. on Computer Vision (ICCV’2003)*, pp.1094-1101, Nice, France, Oct., 2003.
- [C4] Ying Wu, **Gang Hua** and Ting Yu, “Switching Observation Models for Contour Tracking in Clutter”, in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR’2003)*, Vol.1, pp.295-302, Madison, Wisconsin, June, 2003.
- [C3] Ying Wu, Ting Yu and **Gang Hua**, “Tracking Appearances with Occlusions”, in Proc. *IEEE Conf. on Computer Vision and Pattern Recognition (CVPR’2003)*, Vol.1, pp.789-795, Madison, Wisconsin, June, 2003.
- [C2] **Gang Hua**, Nanning Zheng, “A New Statistic Prediction Model and Application in Arithmetic Coding”, in Proc. *the Sixth Biennial International Conference for Young Computer Scientists (ICYCS’ 2001)*, Vol.2, pp.1065-1067, Hangzhou, China, October, 2001.
- [C1] **Gang Hua**, Nanning Zheng, “DSP Realization of a New Statistical-Entropy Coding Algorithm”, in Proc. *the Seventh Annual Conference of Chinese Institute of Electronics for Young Scientists (CIE-YC’2001)*, Urumchi, China, August, 2001. (in Chinese)
- NON-REFEREED TECHNICAL REPORT
- [T4] **Gang Hua**, Zicheng Liu, Zhengyou Zhang and Ying Wu, “Automatic Segmentation of Ob-

- jects of Interest from an Image”, *Microsoft Research Technical Report MSR-TR-2006-10*, 2006.
- [T3] **Gang Hua**, “Information Fusion: a Brief Review”, *Northwestern University Computer Vision Group Technical Report TR-2005-11-29*, November, 2005.
- [T2] **Gang Hua**, “Introduction to Finite Element Method”, *Northwestern University Computer Vision Group Technical Report TR-2005-05-06*, May, 2005.
- [T1] **Gang Hua**, “Probabilistic Inference: a Brief Review”, *Northwestern University Computer Vision Group Technical Report TR-2004-12-16*, December, 2004.

## PATENTS

- [P18] Co-inventor with Amir Akbarzadeh, “Priors in Face recognition for social networks”, US Patent pending, 2009.
- [P17] Co-inventor with Amir Akbarzadeh, “A Robust Elastic and Partial Matching Metric for Face Recognition”, US Patent pending, 2009.
- [P16] Co-inventor with Ashiah Kapoor, Simon Baker and Amir Akbarzadeh, “Adding Constraints to Active Learning for Face Recognition Assisted Face Tagging”, US Patent pending, 2009.
- [P15] Co-inventor with Simon Winder, “Computationally Efficient Local Image Descriptors”, US Patent pending, 2009.
- [P14] Co-inventor with John Wright and Amir Akbarzadeh, “Implicit Elastic Matching with Randomized Projections for Pose Variant Face Recognition”, US Patent pending, 2009.
- [P13] Co-inventor with Dr. Minghui Xia, Dr. Jian Sun, Dr. Wen Fang, Dr. Xiaodong Fan, and Dr. Richard Qian, “Similarity-based Re-ranking for Image Search”, US Patent pending, 2008.
- [P12] Co-inventor with Dr. Tao Mei, Dr. Xian-Sheng Hua, Dr. Shipeng Li, and Tian Xia, “Video Quality Assessment”, US Patent pending, 2008.
- [P11] Co-inventor with Dr. Paul Viola, David Liu, “Feature Selection and Extraction”, US Patent pending, 2008.
- [P10] Co-inventor with Dr. Cha Zhang, Dr. Zicheng Liu, Dr. Zhengyou Zhang, Dr. Ying Shan, “Video Retargeting”, US Patent pending, 2008.
- [P9] Co-inventor with Dr. Paul Viola, “Image Classification”, US Patent pending, 2008.
- [P8] Co-inventor with Dr. Zicheng Liu, Dr. Ying Shan, Dr. Cha Zhang, and Dr. Zhengyou Zhang “Efficient Image Displaying”, US Patent pending, 2008.
- [P7] Co-inventor with Dr. Matthew Brown, and Dr. Simon Winder, “Local Image Descriptors Using Linear Discriminant Embedding”, US Patent pending, 2007
- [P6] Co-inventor with Ting-Yi Yang, Srinath Vasireddy, and Sergey Chub, “Detecting Visual Gestural Pattern”, US Patent pending, 2007
- [P5] Co-inventor with Dr. Paul Viola, Dr. Steven Drucker, and Dr. Michael Revow, “Face Recognition Using Discriminatively Trained Orthogonal Tensor Projections”, US Patent pending, 2007
- [P4] Co-inventor with Dr. Zhengyou Zhang, Dr. Zicheng Liu, and Dr. Yang Wang, “Recovering Parameters from a Sub-optimal Image”, US Patent pending, 2007
- [P3] Co-inventor with Dr. Paul Viola, Dr. Steven Drucker, Dr. Michael Revow, and Dr. Richard Zemel, “Image Organization”, US Patent pending, 2006
- [P2] Co-inventor with Dr. Zicheng Liu, Dr. Zhengyou Zhang, “Segmentation of Objects by Minimizing Global-local Variational Energy”, US Patent pending, 2005
- [P1] Co-inventor with Dr. Ming-Hsuan Yang, “Human Pose Estimation With Data Driven Belief Propagation”, US Patent NO.7212665, Foreign Reference NO. WO 2005/096216 WO 20051000, Issued on May, 2007

## ACTIVITIES

- SERVICE FOR REFEREED CONFERENCES AND WORKSHOPS
  - Program Committee, The 1st Workshop on Large-Scale Multimedia Mining and Retrieval (LS-MMRM’09), 2009
  - Program Committee, Twelfth IEEE International Conf. on Computer Vision (ICCV), 2009
  - Program Committee, IEEE Conf. on Computer vision and Pattern Recognition (CVPR), 2009
  - Program Committee, Second IEEE International Workshop on Internet Vision, 2009
  - Program Committee, Sixth IEEE International Workshop on Object Tracking and Classification Beyond the Visible Spectrum (OTCBVS), 2009

- Reviewer, IEEE International Conference on Image Processing (ICIP), 2009
  - Reviewer, IEEE International Conference on Multimedia & Expo (ICME), 2009
  - Reviewer, IEEE Conf. on Computer vision and Pattern Recognition (CVPR), 2008
  - Reviewer, IEEE International Conf. on Computer Vision, 2007
  - Reviewer, IEEE Conf. on Computer Vision and Pattern Recognition, 2007
  - Reviewer, SPIE/IS&T Conf. on Visual Communications and Image Processing (VCIP), 2007
  - Reviewer, Indian Conf. on Computer Vision, Graphics and Image Processing (ICVGIP), 2006
  - Reviewer, International Conf. on Pattern Recognition (ICPR), 2006
  - Reviewer, European Signal Processing Conference (EUSIPCO), 2006
  - Reviewer, IEEE Conf. on Computer vision and Pattern Recognition (CVPR), 2006
  - Reviewer, IEEE International Conf. on Communications (ICC), 2006
  - Reviewer, Asian Conf. on Computer vision (ACCV), 2006
  - Reviewer, IEEE Conf. on Computer vision and Pattern Recognition (CVPR), 2005
  - Reviewer, IEEE International Conf. on Image Processing (ICIP), 2005
  - Reviewer, IEEE Workshop on Vision for Human-Computer Interaction (V4HCI), 2005
  - Reviewer, IEEE Workshop on Real-Time Vision for HCI (RV4HCI), 2004
  - Reviewer, IEEE International Conf. on Computer vision (ICCV), 2003
  - Reviewer, IEEE Conf. on Computer vision and Pattern Recognition (CVPR), 2003
- SERVICE FOR REFEREED JOURNALS
    - Reviewer, Proceedings of IEEE
    - Reviewer, Signal Processing Magazine
    - Reviewer, IEEE Transaction on Pattern Analysis and Machine Intelligence (TPAMI)
    - Reviewer, International Journal of Computer Vision (IJCV)
    - Reviewer, IEEE Transaction on Signal Processing (TSP)
    - Reviewer, IEEE Transaction on Multimedia (TMM)
    - Reviewer, IEEE Transaction on Circuits and Systems for Video Technology (TCSVT)
    - Reviewer, IEEE Transaction on Image Processing (TIP)
    - Reviewer, IEEE Transactions on Intelligent Transportation Systems (TITS)
    - Reviewer, Journal of Machine Vision and Application (MVA)
    - Reviewer, IEEE Transaction on Knowledge and Data Engineering (TKDE)
    - Reviewer, International Journal of Computer Science and Technology (IJCST)
    - Reviewer, IEEE Communication Magazine
    - Reviewer, International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI)
    - Reviewer, Journal of Computer Vision and Image Understanding (CVIU)
    - Reviewer, Journal of Image and Vision Computing (IVC)
    - Reviewer, Pattern Analysis and Applications (PAA)
    - Reviewer, SPIE Journal of Electronic Imaging (JEI)
    - Reviewer, Journal of Zhejiang University, Science, (JZUS)

#### SELECTED TALKS

- “Feature, Learning, Context, User: Understanding Real World Visual Media”, invited talk at University of California, Los Angeles, CA, 09/09/2009.
- “Implicit Elastic Matching for Pose Variant Face Recognition”, IEEE Computer Society Conference on Computer Vision and Pattern Recognition, 06/2009.
- “Online Contextual Face Recognition: Towards Large Scale Photo Tagging for Sharing”, invited talk at the Second IEEE International Workshop on Internet Vision, Miami Beach, FL, 06/2009.
- “Contextual Face Recognition”, invited talk at
  - Nokia Research Center, Hollywood, CA, 05/26/2009
  - Google Research, Mountain View, CA, 06/17/2009.
- “Face Recognition in a Social Network Context”, invited talk in Microsoft Research Cool Talk Series, Microsoft Research, Redmond, WA, 04/2009
- “Discriminative Learning of Local Image Descriptors”, invited talk at Microsoft Research Asia, Beijing, China, 09/2008.
- “Meta-tag Propagation by Co-training an Ensemble Classifier for Improving Image Search Rele-

vance”, First IEEE Workshop on Internet Vision, Anchorage, AK, 06/2008.

- “PEYE: Toward a Visual Motion based Perceptual Interface for Mobile Devices”, IEEE International Workshop on Human Computer Interaction, Rio de Janeiro, Brazil, 10/2007.
- “Analyzing Complex Motion from Video by Variational Inference”, invited talk at
  - Vident, Sunnyvale, CA, 03/01/2006
  - Microsoft Research, Redmond, WA, 03/08/2006
  - ObjectVideo, Reston, VA, 03/15/2006
  - Siemens Corporate Research, Princeton, NJ, 03/22/2006
  - NEC Laboratory, Cupertino, CA, 04/19/2006
  - Motorola Labs, Schaumburg, IL, 05/12/2006.
- “Graphical Model for Articulated Body Tracking: a Distributed Approach”, invited talk, the Institute of Artificial Intelligence and Robotics, XJTU, Xi’an, Shaanxi, China, 12/2005

#### HONORS

- Terminal Dissertation Year Richter Fellowship, Northwestern University, 2005-2006
- IEEE Computer Society *CVPR’2003, 2004* student travel grants award, 2003& 2004
- *Walter P. Murphy* Fellowship, ECE Department, Northwestern University, 2002-2003
- *Guang Hua* Fellowship for excellent graduate students, XJTU, 2000-2001
- *EastCom* Fellowship for excellent graduate students, XJTU, 1999-2000
- Outstanding graduate students and University Fellowship, XJTU, 1999-2001
- *Outstanding Student Exemplar* of XJTU (highest honor, 5 out of 15000), 1997-1998
- *Prestigious University Fellowship* for Outstanding Student Exemplar, XJTU, 1997-1998
- *Sea-star* Fellowship for outstanding undergraduates, XJTU, 1997-1998
- Outstanding Students and University Fellowship, XJTU, 1994-1997
- Jiangyue Fellowship for Outstanding Undergraduates, XJTU, 1994-1995

#### MEMBERSHIP

- Member, IEEE 2003-Present
- Member, ACM 2009-Present

#### STATUS

US PERMANENT RESIDENT

#### REFERENCES

PROF. YING WU  
Associate Professor, EECS  
Northwestern University  
Evanston, IL 60208  
EMAIL: yingwu@eecs.northwestern.edu  
PHONE: (847) 491-2901, FAX: (847) 491-4455

PROF. MATTHEW TURK  
Professor, CS  
University of California  
Santa Babara, CA 93106-5110  
EMAIL: mturk@cs.ucsb.edu  
PHONE: (805) 893-4236, FAX: (805) 893-8553

PROF. THOMAS S. HUANG  
William L. Everitt Distinguished Professor, ECE  
University of Illinois  
Urbana-Champaign, IL 61801  
EMAIL: huang@ifp.uiuc.edu  
PHONE: (217) 244-1638, FAX: (217) 333-2922

DR. ZHENGYOU ZHANG  
Principal Researcher  
Microsoft Research  
Redmond, WA 98052-6399  
EMAIL: zhang@microsoft.com  
PHONE: (425) 703-3029, FAX: (425) 708-0994

PROF. THRASYVOULOS N. PAPPAS  
Associate Professor, EECS  
Northwestern University  
Evanston, IL 60208  
EMAIL: pappas@eecs.northwestern.edu  
PHONE: (847) 467-1243, FAX: (847) 491-4455