

Feng Zhou

CONTACT INFORMATION

Smith Hall 110
5000 Forbes Ave
Pittsburgh, PA 15213 USA

Phone: (412) 251-8529
E-mail: zhfe99@gmail.com
Website: www.f-zhou.com

RESEARCH INTERESTS

Computer vision and machine learning.

EDUCATION

Carnegie Mellon University, Pittsburgh, Pennsylvania USA

M.S. in robotics, May 2011 (expected)

- Dissertation topic: “Canonical Time Warping for Alignment of Human Motion”
- Advisor: Fernando de la Torre
- GPA: 3.78

Shanghai Jiao Tong University, Shanghai, China

M.S. in computer science, Mar. 2009

- Dissertation topic: “Research on Ensemble Learning”
- Advisor: Baoliang Lu
- GPA: 3.91

Zhejiang University, Hangzhou, Zhejiang China

B.A. in computer science, Jun. 2005

- Dissertation topic: “A Face Detection System Based on AdaBoosting and Edge Feature”
- Advisor: Rong Xiao (MSRA)
- GPA: 3.72 (overall), 3.85 (major)

HONORS AND AWARDS

Best Project Award, Machine Learning Class, Carnegie Mellon University, 2009

Guang Hua Graduate Scholarship, Shanghai Jiao Tong University, 2007

Silver Medal, ACM/ICPC Asia Regional Programming Contest, 2004

Academic Scholarship, Zhejiang University, 2004

Academic Scholarship, Zhejiang University, 2003

ACADEMIC EXPERIENCE

Human Sensing Lab, Carnegie Mellon University, Pittsburgh, Pennsylvania USA

Staff

Mar. 2008 - present

Temporal segmentation and alignment of human behavior.

Brain-like Computing and Machine Intelligence Lab, Shanghai Jiao Tong University, Shanghai, China

Staff

Sep. 2005 - Feb. 2008

Ensemble learning for probabilistic classifier.

Visual Computing Group, Microsoft Research Asia, Peking, China

Intern

Feb. 2005 - May 2005

Adaboost for face detection.

International Collegiate Programming Contest Team, Zhejiang University, Hangzhou, Zhejiang China

Team Member

Sep. 2002 - Jan. 2005

Algorithm and data-structure.

PUBLICATIONS

Y. Liu, F. Zhou, W. Liu, F. De la Torre and Y. Liu, "Unsupervised Summarization of Rushes Videos," in *ACM Conference on Multimedia (MM)*, 2010

F. Zhou, F. De la Torre and J. F. Cohn, "Unsupervised Discovery of Facial Events," in *IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2010 (Oral)

F. Zhou, F. De la Torre, J. F. Cohn and T. Simon, "Unsupervised Discovery of Facial Events," in *CMU Technical Report TR-10-10*, 2010

F. Zhou and F. De la Torre, "Canonical Time Warping for Alignment of Human Behavior," in *Advances in Neural Information Processing Systems (NIPS)*, 2009

J. F. Cohn, T. Simon, I. Matthews, Y. Yang, M. H. Nguyen, M. Tejera, F. Zhou and F. De la Torre, "Detecting Depression from Facial Actions and Vocal Prosody," in *International Conference on Affective Computing and Intelligent Interaction (ACII)*, 2009

F. Zhou, F. De la Torre and J. K. Hodgins, "Aligned Cluster Analysis for Temporal Segmentation of Human Motion," in *International Conference on Automatic Face and Gesture Recognition (FG)*, 2008

F. Zhou and B. Lu, "Learning Concepts from Large-Scale Data Sets by Pairwise Coupling with Probabilistic Outputs," in *International Joint Conference on Neural Networks (IJCNN)*, 2007

JOURNAL PAPER IN PREPARATION

F. Zhou and F. De la Torre, "Kernel Canonical Time Warping for Alignment of Human Behavior," *IEEE Transactions on Pattern Analysis Machine Intelligence (PAMI)*, in preparation.

F. Zhou, F. De la Torre and J. K. Hodgins, "Hierarchical Aligned Cluster Analysis for Temporal Segmentation of Human Motion," *IEEE Transactions on Pattern Analysis Machine Intelligence (PAMI)*, in preparation.