Raffay Hamid

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Education

2002 – 2008 **Ph.D., Computer Science**
Georgia Institute of Technology – Atlanta, GA
Thesis: A Computational Framework for Unsupervised Analysis of Human Activities
Relevant Coursework: Computer Vision, Machine Learning, Optimization, Numerical Analysis
GPA: 3.9/4.0

1997 – 2001 **B.S., Electrical Engineering**
University of Engineering and Technology (UET) – Lahore, Pakistan
GPA: 86/100

Work Experience

2010 – Present **eBay Research Labs.** San Jose, CA
Research Scientist
Developing computational algorithms for the analysis and generation of digital media to make online markets more efficient.

2008 – 2010 **Disney Research** Pittsburgh, PA
Postdoctoral Research Associate – in conjunction with CMU
Developed visualization and analysis systems for multi-player sports.

2002 – 2008 **Georgia Institute of Technology** Atlanta, GA
Graduate Research Assistant – Computational Perception Laboratory
Proposed a data-driven approach for perceptual analysis of everyday human activities.

Summer 2007 **Microsoft Research** Redmond, WA
Summer Research Intern
Worked on adaptation of speaker/non-speaker classifiers for Microsoft RoundTable.

Summer 2005 **Mitsubishi Electric Research Lab.** Boston, MA
Summer Research Intern
Explored classifier combination strategies for ensemble learning.

Summer 2003 **Intel Research** Berkeley, CA
Summer Research Intern
Built a programming-by-demonstration based framework for context aware applications.

2001 – 2002 **Techlogix Inc.** Lahore, Pakistan
Software Engineer
Worked with General Motors to develop an intelligent system for automobile occupancy detection.

Selected Publications

R. Hamid, R. Kumar, M. Grundmann, K. Kim, I. Essa, J. Hodgins. "Player Localization Using Multiple Static Cameras for Sports Visualization". IEEE International Conference on Computer Vision & Pattern Recognition 2010.

R. Hamid, S. Maddi, A. Johnson, A. Bobick, I. Essa. C. Isbell. "A Novel Sequence Representation for Unsupervised Analysis of Human Activities". Artificial Intelligence Journal 173(14) : 2009.

R. Hamid, S. Maddi, A. Bobick, I. Essa. "Structure from Statistics: Unsupervised Analysis of Activities Using Suffix Trees". IEEE International Conference of Computer Vision, 2007.

Computational Skills

Programming Languages: C/C++ (More than 8 years of experience).

Tools: Matlab, Standard Template Library, MFC, Intel OpenCV, and Intel IPL.

Background

Born in 1978, in Lahore Pakistan. Interests include photography, poetry, music, and squash. Fluent in English, Urdu, and Punjabi. Familiar with French, and Farsi. Holder of US H-1B visa.