

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
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WORK EXPERIENCE

- 2008 – Present **Disney Research** Pittsburgh, PA
POSTDOCTORAL RESEARCH ASSOCIATE – in conjunction with CMU
Developing 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.
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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.
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ACADEMIC AWARDS AND HONORS

- May 2001 Graduated with highest honor from UET, Lahore (ranked in top 10 among 250 students).
- 1994 – 2001 Awarded National Merit Scholarship from the Government of Pakistan.
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COMPUTATIONAL SKILLS

- Programming Languages:** C/C++ (More than 8 years of experience).
- Tools:** Matlab, Standard Template Library, MFC, Intel OpenCV, and Intel IPL.
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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.