

Shrinath Shanbhag, PhD

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Education

1. PhD (Computer Science), IIT Bombay (2007)
2. Post Graduate Diploma in Software Technology, NCST Mumbai (1995)
3. B.E. (Electronics), Mumbai University (1993)

Work Experience

Software Development – 16+ years

1. Sr. Software Development Engineer, Windows Division, Microsoft India R&D Pvt. Ltd (2005- current)
Primary responsibility – design and development of windows applications.
2. Senior Staff Scientist, Graphics Division, NCST Mumbai (1995-2005)
Primary responsibility – State of the art research in computer graphics. I have developed rendering engines, physics, visibility computation and collision detection libraries as part of my work here. I have also worked on Indian language computing and image processing technologies.
3. Service Executive, Godrej & Boyce Pvt. Ltd Mumbai (1993-2005)
Primary responsibility – Manage customer service accounts for electronic peripherals.

Research & Publications

My research interests lie in the field of “Computer Graphics” including its sister fields - image processing and vision. I am passionate about realtime rendering, modelling natural phenomena, digital storytelling and behavioural animation.

1. Motion Capture Reuse
 - a. Grafting Locomotive Motions
The 14th International Conference in Central Europe on Computer Graphics, Visualization and Computer Vision 2006, Plzen, Czech Republic, Jan 30 – Feb 3, 2006.
 - b. Search and Transitioning for Motion Captured Sequences
ACM Symposium on Virtual Reality Software and Technology, Monterey California, November 7-9, 2005
 - c. MoCap Based New Walk and Climb Synthesis
Indian Conference on Computer Vision Graphics and Image Processing 2004
2. Computer Human Interaction
 - a. An Intelligent Multi-Layered Input Scheme for Phonetic Scripts,
SmartGraphics'02 , Hawthorne, NewYork, June 11 - 13, 2002
3. Indian language computing
 - a. An architecture for the shaping of Indic texts (won 3rd best paper award)
Computers & Graphics Vol. 23, Number 1, February 1999

Teaching

Over eight years of experience teaching CDAC Mumbai's PGDST courses. I have taught the following courses

1. Computer Graphics
2. Graphical User Interface Design and Programming
3. Object Oriented Design and Programming
4. Multimedia Programming
5. Component Software Development