

James L. McCann

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Graphics Publications

Real-Time Gradient-Domain Painting

by J. McCann and N. S. Pollard; (In submission to SIGGRAPH 2008)

Laziness is a virtue: Motion stitching using effort minimization

by L. Li, J. McCann, N. S. Pollard, and C. Faloutsos; (To appear at Eurographics 2008)

Responsive Characters from Motion Fragments

by J. McCann and N. S. Pollard; ACM Transactions on Graphics (SIGGRAPH 2007), 26(3), 2007.

A Hierarchical Self-Organizing Map for Motion Exploration

by R. Slyper and J. McCann and N. S. Pollard and J. K. Hodgins; ACM SIGGRAPH / Eurographics Symposium on Computer Animation (Poster), 2007.

Physics-Based Motion Retiming

by J. McCann, N. S. Pollard, and S. Srinivasa; ACM SIGGRAPH / Eurographics Symposium on Computer Animation, 2006.

Education

Carnegie Mellon University, Pittsburgh, Pennsylvania (Fall 2005 to Spring 2009 [expected])
PhD student; member of the Graphics Lab, advised by Nancy Pollard

University of Michigan, Ann Arbor, Michigan (Fall 2001 to Spring 2005)
Dual Major: Honors Computer Science, Honors Mathematics

Relevant Work Experience

Lead Graphics/Engine Programmer – Chronic Logic (Summer 2006)

Worked on the upcoming game 'MicroWarrior' with this independent game studio.

Central Tools Programmer – Electronic Arts Redwood Shores (Summer 2005)

Debugged and overhauled the character animation system used in Bond, Tiger, and Godfather.

Dev in Test – Microsoft (Summer 2004)

Wrote test automation for Windows shell APIs; responsible for desktop ui testing in XP SP2.

Other Interests

Interactive computer art: installations at Sync'04 and Sync'05; interactive animation at SCS Day 2006

Glass blowing: 2 years experience; basic forms, sculpting, frit, cane, torch work, large assembly

Honors and Awards

University of Michigan GROCS 2005 grant for design of an interactive motion capture/performance system

ACM Team Programming Contest World Finals 2003 and 2004

Microsoft Intern Puzzle Day 2004 (third place team); UM Puzzle Day 2003 (first place team)

University of Michigan Outstanding Achievement in Mathematics Award (2005)

William LeVeque Award in Number Theory (2003)