

# Robert Carroll

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## EDUCATION

### University of California, Berkeley — 2007-Present

PhD Student in **Electrical Engineering and Computer Sciences**  
Advisor: Maneesh Agrawala

### University of Washington, Seattle — 2003-2006

Bachelor of Science with Distinction in **Computer Science**  
Bachelor of Arts in **Mathematics**  
Cumulative GPA: **3.69**/4.00 CS: **3.86**/4.00  
Advisor: Steven Seitz

## EXPERIENCE

**Adobe Systems.** Research Intern, Advanced Technologies Lab, Summers 2008, 2009.

**University of California, Berkeley.** Research Assistant, 2007-present.

**University of Washington.** Research Assistant, 2005-2007

## TEACHING

**University of California, Berkeley.** Teaching Assistant for undergraduate data structures, 2007.

## HONORS

- National Science Foundation, Graduate Research Fellowship Program 2007 and 2008 - Honorable Mention
- Computing Research Association Outstanding Undergraduate Award 2007 - Honorable Mention
- Mary Gates Endowment for Students 2006 - Research Scholarship

## PUBLICATIONS

Robert Carroll, Maneesh Agrawala, Aseem Agarwala. "Optimizing Content-Preserving Projections for Wide-Angle Images," *ACM Transactions on Graphics* (Proc. ACM SIGGRAPH 2009) 28(3).

Raanan Fattal, Robert Carroll, Maneesh Agrawala. "Edge-Based Image Coarsening," *ACM Transactions on Graphics* (to appear).

Robert E. Carroll, Steven M. Seitz. "Rectified Surface Mosaics," 8th IEEE Computer Society Workshop on Mathematical Methods in Biomedical Image Analysis (MMBIA'07), in conjunction with ICCV'07.

Eric J. Seibel, Robert E. Carroll, Jason A. Dominitz, Richard S. Johnston, C. David Melville, Cameron M. Lee, Steven M. Seitz, and Michael B. Kimmey. "Tethered Capsule Endoscopy, a low-cost and high-performance alternative technology for the screening of esophageal cancer and Barrett's esophagus," *IEEE Transactions on Biomedical Engineering*, Volume 55, Issue 3, March 2008, Pages 1032-1042.