

Robert E. Carroll

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EDUCATION

University of California, Berkeley — 2007-Present

PhD candidate in **Computer Science**
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**
GPA in all CS Courses: **3.86/4.00**
Advisor: Steven Seitz

Clark College, Vancouver, WA — 2001-2003

Attended while in high school as part of Running Start program
Cumulative GPA: **3.80/4.00**

EXPERIENCE

Adobe Systems. Research Intern, Advanced Technologies Lab, Summer 2008.

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

- Computing Research Association Outstanding Undergraduate Award 2007 - Honorable Mention
- 2006, Mary Gates Endowment for Students - Research Scholarship

PUBLICATIONS

Raanan Fattal, Robert E. Carroll, Maneesh Agrawala. "Edge-Based Image Coarsening," ACM Transactions on Graphics (Conditionally Accepted).

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 Bio-medical Engineering*, Volume 55, Issue 3, March 2008, Pages 1032-1042.