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## Education

- PhD student, Computer Science      Aug 2005 - Present  
University of Utah  
Advisor: Dr. Claudio Silva
- B.S., Computer Science      Aug 1998 - May 2003  
Northeastern University
- B.S., Computer Engineering      Aug 1998 - May 2003  
Northeastern University

## Research Interests

- Scientific Visualization
- Medical Imaging
- Computer Graphics

## Professional Experience

- *Research Assistant at Visualization and Geometric Computing Laboratory*  
Mar 2006 - Present
- *Research Assistant at Los Alamos National Laboratory - Advanced Computing Laboratory* May 2007 - Aug 2007
- *Research Programmer: Massachusetts General Hospital Dept. of Radiation Oncology* Mar 2005 - Aug 2005
- *Research Programmer: SCI Institute - University of Utah* Jun 2004 - Jan 2005
- *Network Admin: Russell-Stanley Inc.* Jan 2004 - Jun 2004

- *Research Programmer: Northeastern University Institute for Complex Scientific Software* May 2003 - Aug 2003
- *Programmer: Chemical Visualization Group - Concurrent Pharmaceuticals (now Vitae Pharmaceuticals)* Mar 2002 - May 2003
- *Hardware Engineer: Coreco Imaging* Jun 2001 - Oct 2001
- *Software Engineer: Analog Devices Inc.* Sept 1999 - May 2001

## Publications

1. *Hardware-Assisted Point-Based Volume Rendering of Tetrahedral Meshes* E. Anderson, S. Callahan, C. Scheidegger, J. Schreiner, C. Silva *SIBGRAPI 2007*
2. *Towards Development of a Circuit Based Treatment for Impaired Memory: A Multidisciplinary Approach* E. Anderson, G. Preston, C. Silva *IEEE EMBS Conference on Neural Engineering 2007*
3. *Visualization in Radiation Oncology: Towards Replacing the Laboratory Notebook* E. Anderson, S. Callahan, G.T.Y. Chen, J.Freire, C. Scheidegger, C. Silva, H. Vo *SCI Institute Technical Report, No. UUSCI-2006-17, University of Utah, 2006*

## Posters

1. *Vistrails: Using Provenance to Streamline Data Exploration* E. Anderson, S Callahan, D. Koop, E. Santos, C. Scheidegger, H. Vo, J. Freire, C. Silva *Post Proceedings of the International Workshop on Data Integration in the Life Sciences(DILS) 2007*
2. *Effects of 10Hz rTMS on Alpha Spectral Dynamics and Working Memory Performance* G. Preston, E. Anderson, C. Silva *Proceedings of Neuroscience Poster Session 2007*

## Other Interests

I have played lacrosse for 14 years as a goaltender at all levels from college to international competitions. Other interests include ice hockey, skiing, scuba diving, and ice climbing.