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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

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. *Interactive Vector Field Identification* J. Daniels, E. Anderson. L. Nonato, C. Silva *Proceedings of IEEE Symposium on Visualization 2010 (accepted)*
2. *Using Python for Signal Processing and Visualization* E. Anderson, G. Preston, C. Silva *Computing in Science and Engineering 2010*
3. *Using VisTrails and Provenance for Teaching Scientific Visualization* C. Silva, E. Anderson, E. Santos, J. Freire *Proceedings of EuroGraphics 2010 Education Program (Best Paper Award)*
4. *A Customized Python Module for CFD Flow Visualization* J. Tohline, J. Ge, W. Even, E. Anderson *Computing in Science and Engineering 2009*
5. *Using Workflow Medleys to Streamline Exploratory Tasks* E. Santos, D. Koop, H. Vo, E. Anderson, J. Freire, C. Silva *SSDBM 2009*

6. *Effects of 10 Hz rTMS on the Neural Efficiency of Working Memory* G. Preston, E. Anderson, T. Goldberg, E. Wassermann, D. Weinberger, C. Silva *Journal of Cognitive Neuroscience* 2009
7. *Examining Statistics of Workflow Evolution Provenance: A First Study* L. Lins, D. Koop, E. Anderson, S. Callahan, E. Santos, C. Scheidegger, J. Freire, C. Silva *SSDBM* 2008
8. *Large End-to-End eScience: Integrating Workflow, Query, Visualization and Provenance at an Ocean Observatory* B. Howe, P. Lawson, R. Bellinger, E. Anderson, E. Santos, J. Freire, C. Scheidegger, A. Baptista, C. Silva *eScience* 2008
9. *Quantitatively Driven Visualization and Analysis on Emerging Architectures* P. McCormick, E. Anderson, S. Martin, C. Brownlee, J. Inman, M. Maltrud, M. Kim, J. Ahrens, L. Nau *Journal of Physics: Conference Series* 125:012095 2008
10. *Using Provenance to Support Real-Time Collaborative Design of Workflows* T. Ellkvis, D. Koop, E. Anderson, J. Freire, C. Silva *IPAW* 2008
11. *Provenance in Comparative Analysis: A Study in Cosmology* E. Anderson, J. Ahrens, K. Heitmann, S. Habib, C. Silva *Computing in Science and Engineering* 2008
12. *Hardware-Assisted Point-Based Volume Rendering of Tetrahedral Meshes* E. Anderson, S. Callahan, C. Scheidegger, J. Schreiner, C. Silva *SIBGRAPI* 2007
13. *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
14. *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*