Kenny Gruchalla
Curriculum Vitae

Personal Information

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Education

2009 **Ph.D. Computer Science,** *University of Colorado at Boulder*, Boulder, CO.
Thesis: Progressive Visualization-Driven Multivariate Feature Definition and Analysis
Advisor: Professor Elizabeth Bradley
GPA: 3.9/4.0

2003 **M.S. Computer Science,** *University of Colorado at Boulder*, Boulder, CO.
Thesis: Immersive Well-Path Planning: Investigating the added value of immersive visualization
Advisor: Professor Clayton Lewis
GPA: 3.9/4.0

1995 **B.S. Computer Science,** *New Mexico Institute of Mining and Technology*, Socorro, NM.
GPA: 3.5/4.0

Experience

National Renewable Energy Laboratory (NREL), Golden, CO (June 2009 - present)

Jun 2009 - present **Senior Scientist.**
I lead NREL's scientific data visualization efforts in support of renewable energy research, collaborating with NREL domain scientists in the visualization of complex, large, multivariate data.

University of Colorado at Boulder, Boulder, CO (April 2001 - present)

May 2011 - present **Assistant Professor Adjunct,**
Department of Computer Science.
I conduct research and oversee student research in scientific data visualization.

Apr 2001 - Mar 2006 **Professional Research Assistant,**
CADSWES (Center for Advanced Decision Support for Water and Environmental Systems).
I worked in an interdisciplinary research center on the design and the development of a commercial graphically-based decision support software system implementing object-oriented simulation, rule-based simulation, and linear optimization to model watershed physical processes, water ownership, and policy.

Jan 2004 - Aug 2004 **Professional Research Assistant,**
Department of Molecular, Cellular, and Developmental Biology.
I collaborated on the design and development of a pilot study to investigate the added value of using immersive visualization as a molecular research tool.

Jul 2002 - Aug 2003 **Graduate Research Assistant,**
BP Center for Visualization.
I designed and developed an interactive 3D immersive application capable of integrating geological, geophysical, reservoir and well data with drilling and platform planning in an immersive virtual environment.