

Edward R. Dale

Permanent

849 Dawnridge Lane
Troutville, VA 24175
United States
scompt@scompt.com
<http://www.scompt.com>

Current

Nikolausstraße 4 HH
97082 Würzburg
Germany
+49 (151) 1050 1263

HIGHLIGHTS Numerous professional and academic experiences abroad
Master's degree in Computer Science from Rochester Institute of Technology
Research experience and publications in computer graphics and visualization

PROFESSIONAL EXPERIENCE **English Teaching Assistant**, Siebold Gymnasium, Würzburg, Germany
(September 2006 – Present)

- Developed and presented English lessons on American culture
- Co-founded student club to work on school webpage

Teaching Assistant, Rochester Institute of Technology, Rochester, NY
(September 2005 – May 2006)

- Taught freshman Computer Science 1 and 2 labs
- Created practice exams and led exam review sessions

J2EE Programmer, Actual Systems UK Ltd, Edinburgh, Scotland
(March 2004 – February 2005)

- Used Extreme Programming to achieve fast feature turnaround
- Designed rich, responsive Swing client application
- Architected frameworks for other team members to follow
- Implemented automated build system to continuously build and unit test product using Apache Ant and JUnit
- Mentored FoxPro programmers in Java and J2EE

Webmaster, Precision Scale & Balance, Clarence, NY
(May 2003 – August 2003)

- Rewrote website using PHP and MySQL to improve catalog manageability

Software Developer, Excellus, Rochester, NY
(September 2002 – November 2002)

- Developed web interface to meta-data database as part of two-person team using agile software development method Extreme Programming
- Implemented an ERWin database schematic in Oracle
- Utilized Java Servlets and Jakarta Struts framework to provide an MVC architecture
- Automated the build process using Apache Ant
- Designed unit tests using JUnit

- PROJECTS Wrote WordPress plugin to implement 2-step publishing process allowing moderation of posts and pages
Wrote Firefox plugin to provide link between Facebook and RIT myCourses website
Created python script to parse German news website and produce RSS feed containing contents of news broadcast and mp3 enclosure
- EDUCATION **Rochester Institute of Technology**, Rochester, NY.
M.S. in Computer Science, May 2006.
- **Master's Thesis:** "Visualizing the Inner Structure of N-Body Data using Splatting and Skeletonization"
 - **Independent Study:** "Visualizing the Uncertainty in Macro-Molecular Structures"
 - **Survey Papers:** "Volume Rendering", "Volume Animation", "Walking in a Winter Wonderland" (Computer generated snow and ice)
 - Computer Graphics and Visualization Cluster
 - Member of *Grapecluster* research group focussing on visualization
 - One of three teaching assistants in Computer Science department
- Rochester Institute of Technology**, Rochester, NY.
B.S. in Computer Science, May 2006.
Minor in German Language.
- Member of RIT Honors program
 - Dean's List every quarter
 - Studied Cognitive Science at Universität Osnabrück, Germany, September 2003 – March 2004
 - Studied German language in Germany, June 2002 – July 2002
 - Attended Schreyer National Conference on Innovations in International Education, March 2004
- PUBLICATIONS Edward Dale and Hans-Peter Bischof. Visualizing the inner structure of n-body data using splatting and skeletonization. In *MSV '07: Proceedings of the 2007 International Conference of Modeling Simulation and Visualization Methods*. 2007. To appear.
- Hans-Peter Bischof, Edward Dale, and Tim Peterson. Spiegel - a visualization framework for large and small scale systems. In *MSV '06: Proceedings of the 2006 International Conference of Modeling Simulation and Visualization Methods*, pages 199–205. CSREA Press, Las Vegas, USA, 2006. ISBN 1-60132-010-8.
- Edward Dale. *Visualizing the Inner Structure of N-Body Data using Splatting and Skeletonization*. Master's thesis, Rochester Institute of Technology, June 2006.
- HONORS Fulbright English Teaching Assistantship in Germany, September 2006 – June 2007
Computer Science Outstanding Graduate Student, April 2006
Featured in College of Computing Student Spotlight, December 2005
Nathaniel Rochester Society Scholar, September 2003
Outstanding Undergraduate Scholar Award, December 2002
- SKILLS **Application Programming:** Java, OOP, Python, C, OpenGL, C++
Databases: SQL, PostgreSQL, MySQL
Web Development: PHP, Java Servlets, Perl, XHTML, XML, HTML, CSS
Miscellaneous: J2EE, Extreme Programming, Apache, L^AT_EX, WordPress
Operating Systems: Mac OS X, Linux, Windows
Languages: Native English, Fluent German, Basic French