

# David R. Resseguie

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http://www.resseguie.com

## Education:

**M.S., Computer Science**, University of Tennessee – Knoxville, 2004

**B.S., Computer Science and Mathematics**, University of Tennessee – Knoxville, 2001

## Professional Experience:

**2005-present: *Systems Analyst***, Computational Sciences and Engineering Division,  
**Oak Ridge National Laboratory (ORNL)**, Oak Ridge, TN

2007: *Instructor*, ITT Technical Institute, Knoxville, TN

2003-2004: *Independent Software Design Consultant*, IdleAire Technologies, Knoxville, TN

2000-2005: *Sr. Computer System Designer*, Center for Information and Communication  
Studies, University of Tennessee, Knoxville, TN

## Awards:

- **Top Graduate in Natural Sciences Division of the College of Arts and Sciences**, University of Tennessee, 2001
- IPSN '06, Best Large-Scale Demonstration Award, 2006
- Provost Award - University of Tennessee Citation for Extraordinary Academic Achievement, 2001
- Member of Phi Beta Kappa, Pi Mu Epsilon, Golden Key, and University of Tennessee Honors Programs

## Professional Activity:

- Provide Human-Computer Interaction design and consulting for ORNL High Flux Isotope Reactor (HFIR) emergency management software.
- Lead developer for the ORNL SensorNet web service framework.
- A lead design and development team member for ORNL SensorPedia project.
- Software developer for Department of Homeland Security, Federal Bureau of Investigation, National Nuclear Security Administration, and Department of Defense applications.
- ORNL representative to Open Geospatial Consortium Web Feature Service and Sensor Web Enablement working groups.
- Coordinate student internships and co-ops for the ORNL SensorNet and related programs.
- Active **DOE Q Clearance**; Prior FBI and OPM security clearances.

## Current Research Interest and Activity:

*User interface design*: social networking and collaborative software interfaces, informal interfaces, sketch- and touch-based computing, human-machine interaction

*Wide-area sensor networks*: standardized data formats, data sharing, GIS and visualization