

## Harold A. Shanafield



**Post-Master's Research Associate**  
Oak Ridge National Laboratory

Harold A. Shanafield is a postmaster's research associate in the Environmental Data Science and Systems of ORNL. His research interests are founded in the statistical analysis of large datasets and the effective presentation of the results of these datasets. Shanafield received both an MS in genome science and technology and an MS in statistics from the University of Tennessee at Knoxville in 2008. He also holds a BA in biology and environmental science from Northwestern University.

Shanafield has assisted in the redesign of various parts of the datastream ingest process for the Atmospheric Radiation Measurement (ARM) Archive program—a DOE scientific user facility for the study of global climate change by the national and international research community. He has also led the redesign of the Fluxnet website and its underlying database, as well as developed a database for the integration of several national datasets related to hydropower production for the National Hydro Asset Assessment program. Prior to his post at ORNL, Shanafield held positions with BearingPoint Consulting (2002) and pcOrder.com (1997 to 2001), both based in Austin, TX. In these positions, he worked to increase the productivity of both companies by developing improved data collection, entry, and analysis processes.

Moving forward, Shanafield would like to expand his repertoire of analytical techniques and increase his aptitude in the area of data visualization so that he can improve the way scientific research is communicated and understood.