

Feng Wang

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Education

Arizona State University

Ph.D., Advisor: Dr. Ross Maciejewski

Computer Science

2012–2017 (expected)

University of Science and Technology of China

Master, Advisor: Prof. Zhangjin Huang

Computer Science

2009–2012

Shandong University

Bachelor, Diploma Project Mentor: Dr. Ming Sun

Software Engineering

2005–2009

Research Interests

- Data Visualization
- Visual Analytics of Spatio-temporal Data

Honors

2015: Communications Impact Award, IEEE VGTC International Data-Visualization Contest

2013: Excellent Visual Analysis of Structured and Unstructured Data,
VAST Box Office Challenge in IEEE VIS conference

2009: Meritorious Winner, Mathematical Contest in Modeling (MCM)

2008: Second Prize in Shandong Region, China Undergraduate MCM

2008: Shandong University Research and Innovation Scholarship

2008: Honorable Mention, Interdisciplinary Contest in Modeling (ICM)

2007: Honorable Mention, CitiBank Cup Technology Application Contest

2006: Shandong University Outstanding Student Scholarship

Projects

- Visual Analytics Law Enforcement Toolkit (VALET), ongoing
 - Integration of street network information
- Foresight Initiative
 - Visual analysis design of social media and news media data
 - Data storage system architecture design
- Visual Analysis of Genealogy of US Surnames, ongoing
- Visual Box Office Prediction with Social Media
 - Server end development and interaction design for Webpages
- Error Analysis and Modeling Techniques for Subdivision Surfaces
 - Non-uniform subdivision surface analysis and GPU acceleration
- The Development and Optimization of Communication and Mathematical Library for Loongson 3A CPU
 - Optimization for Blas Level 2 functions

- Search Engine of University forums in Jinan City
–Crawler adaption and dialog extraction

Teaching

Spring 2011: JAVA Programming Language

Fall 2011: Advanced Computer Graphics

Visiting

Summer 2015: Purdue University Visualization and Analytics Center (PURVAC)

Programming Skills

- C, C++, JAVA, CUDA, GLSL, Javascript

Publications

Y. Lu, X. Hu, F. Wang, S. Kumar, H. Liu, and R. Maciejewski, "Visualizing social media sentiment in disaster scenarios," in *The 3rd International Workshop on Social Web for Disaster Management (SWDM'15)*, 2015.

Y. Lu, F. Wang, and R. Maciejewski, "Business intelligence from social media: A study from the vast box office challenge," *IEEE Computer Graphics and Applications*, 2014.

Y. Lu, R. Kruger, D. Thom, F. Wang, S. Koch, T. Ertl, and R. Maciejewski, "Integrating predictive analytics and social media," in *Proceedings of the IEEE Conference on Visual Analytics Science and Technology, November, 2014*, 2014.

F. Wang, J. Ibarra, A. Muhammad, P. A. Longley, and R. Maciejewski, "What's in a name? data linkage, demography and visual analytics," in *EuroVis Workshop on Visual Analytics, June, 2014*, 2014.

Y. Lu, F. Wang, and R. Maciejewski, "Vast 2013 mini-challenge 1: Box office vast - team vader," in *IEEE Conference on Visual Analytics Science and Technology, October, 2013.*, 2013.

F. Wang, Z. Huang, and L. Guo, "A mesh editing algorithm based on gaussian curvature," *Journal of Information & Computational Science*, 2013.

Z. Huang, F. Wang, and G. Wang, "Extended Doo-Sabin surfaces," *Journal of Information & Computational Science*, 2011.

L. Guo, F. Wang, Z. Huang, and N. Gu, "A fast and robust seed flooding algorithm on GPU for voronoi diagram generation," 2011.