

Personal Information

Date of Birth: March, 1988 Date of Graduate: July, 2013
Address: 315 , 2# Building, South 4th Street Zhong Guan Cun. Beijing, P.R.China. 100190

Education Backgrounds

2013.09~Now	Scientific Data Center, Computer Network Information Center, CAS	Beijing
	• Job Title: <u>Assistant professor</u>	
	• Research Interest: <u>Data Processing, Data Visualization, HCI</u>	
2008.09~2013.09	Institute of Software Chinese Academy of Sciences	Beijing
	• Major: Computer Applied Technology <u>Doctoral Degree</u>	
	• Research Interest: <u>Human Computer Interaction(HCI), Information Visualization</u>	
2004.08-2008.07	Shandong University	Jinan
	• Major: Software Engineering Bachelor's Degree	

Publications & Papers

- [1] REN Lei, **DU Yi**, MA Shuai, ZHANG Xiao-Long, DAI Guo-Zhong. Visual Analytics Towards Big Data[J]. Ruan Jian Xue Bao/ Journal of Software, 2014, 25(9): 1909-1936. In Chinese.
- [2] **DU Yi**, REN Lei. A Sketch+Fisheye Interface for Visual Analytics of Large Time-Series. presented at IEEE Visual Analytics Science and Technology (VAST), 2014.
- [3] REN Lei, **DU Yi**, DAI Guozhong. Human-Computer Interaction Based on Semantic Focus+Context For Big Data Visualization in Small Interface, 2014. In Chinese.
- [4] **DU Yi**, GUO Danhuai, ZHOU Yuanchun, LI Jianhui. A Data Processing and Visualization Platform for Large-scale Spatio-temporal Data. presented at the 2nd conference of CCF Big Data., 2014. In Chinese.
- [5] **DU Yi**, TIAN Feng, DAI Guozhong, A Development Approach Based on Extensible User Interface Description Language. Journal of Software, 2014. In Chinese.
- [6] REN Lei, CUI Jin, **DU Yi**, DAI Guozhong, Multilevel Interaction Model For Hierarchical Tasks In Information Visualization, Presented at The 6th International Symposium on Visual Information Communication and Interaction (VINCI 2013), Tianjin, China, 2013, pp. 11-16.
- [7] **DU Yi**, TIAN Feng, MA Cuixia, DAI Guozhong, WANG Hongan. A User Interface Generation Framework Based on Multi-scale Description Method. Chinese Journal of Computers , 2013, 36(11):2179-2190. In Chinese.
- [8] JIANG Yingying, TIAN Feng, LI Guang, ZHANG Xiaolong, **DU Yi**, DAI Guozhong, WANG Hongan. SpeechTouch: precise cursor positioning on touch screen mobiles. Presented at the 15th international conference on Human-computer interaction with mobile devices and services(MobileHCI), 2013.
- [9] **DU Yi**, REN Lei. DaisyVA:An Intelligent Interactive Visualization Platform for Visual Analysis of Multi-Facet Information .Journal of Computer-Aided Design & Computer Graphics, 2013, 25(8):1177-1182. In Chinese.
- [10] **DU Yi**, DENG Changzhi, TIAN Feng, REN Lei, DAI Guozhong. Extensible user interface description language. Ruan Jian Xue Bao/Journal of Software, 2013,24(5):1127-1142. In Chinese.

- [11] **DU Yi**, LV Fei, TIAN Feng, HOU Wenjun, MA Cuixia, DAI Guozhong. Sketch-Based interface for creation and visual representation of hyper videos. Ruan Jian Xue Bao/Journal of Software, 2013,24(Suppl.(2)):32–41. In Chinese.
- [12] **DU Yi**, TIAN Feng, WANG Feng, DAI Guozhong, WANG Hongan. A User Model Based on Mobile Environment. Journal of Software(Suppl): 120-128, 2011. In Chinese.
- [13] **DU Yi**, MA Cuixia, TENG Dongxing, DAI Guozhong. CONCEPT-SKETCH: A Tool for Cooperative Visual Analytics. International Journal of Advanced Intelligence (IJAI), 2011.
- [14] **DU Yi**, MA Cuixia, TENG Dongxing, DAI Guozhong. Cooperative Concept Map Based on Cognitive Model for Visual Analysis. presented at the 3rd Visual Information Communication - International Symposium (VINCI 2010), Beijing, China, 2010.

Research Projects

- **Study on the method of model driven mass space-time data visualization development**
National Natural Science Foundation of China (project leader,2015-2017,260,000RMB)
- Research on Metaphor-based Interactive Learning Environment for Children
National Natural Science Foundation of China (project participants)
- By blending pen input document analysis and recognition theory and method of research
National Natural Science Foundation of China (project participants)
- Based on the research on man-machine interaction device attributes fusion
National Natural Science Foundation of China (project participants)
- Personal information management research for more equipment
National Natural Science Foundation of China (project participants)
- For video semantic description and interaction of the sketch interface key technology research
National Natural Science Foundation of China (project participants)
- Reality - -based Interaction model and user interface evaluation method research
National Natural Science Foundation of China (project participants)
- Based on handwritten equipment on-line handwriting intelligent understanding and interactive technology research
National Natural Science Foundation of China (project participants)

Project Experiences

2014.08-Now	Data visualization platform (DVIZ) (http://www.dviz.cn/dviz)	Java+ECharts+D3.js
2014.06-2014.08	Radiation-hardened orbit design demonstration system	Java+WorldWind SDK
2014.03-2014.07	Visualization system of a food factory	ECharts+Java+MongoDB
2014.02-2014.03	H7N9 avian influenza data visualization system (http://www.dviz.cn/h7n9)	D3.js
2013.10-2014.01	The taxi GPS visualization system	Java+OpenLayers
2013.07-2013.10	Orbit Data Visualization System	Java+WorldWind SDK
2011.01-2012.12	Research on User Interface Description Language under mobile environment	

2010.06-2012.01	Pen Based Operating Platform (PBOP)	C+Java
2010.07-2010.10	Direct Social Network Importer of Gephi	C
2009.06-2010.03	Information Visualization Toolkit: DaisyViz	Java+Netbeans RCP
		Java+Eclipse RCP

English Skill

- **CET-6** ,CET-Oral Test (B+)
- Good read and write abilities in English