

# Zhang, Ruonan

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## EDUCATION

**University of Pittsburgh,**  
Information Science (M.S.), Pittsburgh, PA

*Aug 2013 - Present*  
GPA: 3.88/4.0

**East China University of Science and Technology**  
Computer Science (B.E.), Shanghai, China

*Sep 2009 - Jun 2013*

**Coursework:** Interactive System Design, Data Mining, Social Computing, Visual Effect, Web Technology, Information Visualization, Computer Graphics

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## PROJECTS (details on website)

### RESCHU

*Sep 2014 - Present*

Displayed area map with Google Map API in payload window; Captured map information for interactive purpose; Designed proper methods to display maps.

### Conference Navigator 3

*Sep 2014 - Present*

Developed conference community part of the management system; developed the server-side, processed data and implemented main search functions and RSS news feed.

### Information Visualization

*Sep 2014 - Dec 2014*

Illustrated data in graphics with D3; built model to predict the survival conditions in Titanic disaster; designed animated game for users to predict results.

### Computer Graphics

*Sep 2014 - Dec 2014*

Developed a 2D maze game, which users can drag an arrow in the maze to reach the destination; created 3D environment for a ball game and implemented detect collisions.

### Heart Disease Classification and Prediction

*Jan 2014 - Apr 2014*

Analyzed 76 attributes related to heart diseases and built models to predict results; implemented Logistic, kNN, NB, d-tree, SVM, ADA, K-means, PCA methods with R.

### CodeFest(Android)

*Feb 2014*

Developed an interactive application which allowed users to share, comment, exchange information; designed user-friendly interface for the software based on requirements.

### Interactive System Design

*Sep 2013 - Dec 2013*

Developed a series of interactive games (e.g. Gomoku, Tetris, Memory Flip); evaluated usability of systems; designed user-friendly interface to create interesting games.

### Research and Realization on 3D Visualization Tools with Jmol

*Sep 2012 - May 2013*

Developed a 3D real-time molecular display with several APIs; supported analog search and molecular information comparison; implemented format conversion function.

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## EXPERIENCE

**Pittsburgh Supercomputing Center** - Graphic and Interactive Design Intern

*2015 - Present*

**University of Pittsburgh** - Teaching Assistant(Social Computing & Data Mining)

*2014 - 2015*

**University of Pittsburgh** - Computer Services and Systems Student Consultant

*2014*

**School of Information Science, University of Pittsburgh** - SISGo Vice President

*2013 - 2014*

**Lenovo** - Market Assistant Intern

*2011*

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## TECHNICAL SKILLS

**Technical Areas** - Web Development, Software Engineering, Mobile Development, Graphics

**Skills** - Java, C/C++, html, CSS+DIV, JavaScript, php, Android, R, OpenGL, D3, Maya, Photoshop

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## AWARDS

Comprehensive Scholarship(2009-13 four times), Outstanding Graduates(2013), Outstanding Science Student(2013), GSA Scholarship(2014), SIS Scholarship(2015)