

JINGXIAN ZHANG

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Education

Massachusetts Institute of Technology (MIT), MA Sept 2016 – Now
M.S. in Media Arts and Sciences GPA: 5.00/5.00
University of Illinois at Urbana-Champaign (UIUC), IL Aug 2014 – May 2016
M.S. Computer Science GPA: 3.75/4.00
University of Science and Technology of China (USTC), Hefei, China Sep 2010 – Jul 2014
B.E. Electronic Information Engineering GPA: 3.77/4.30
Outstanding Student Scholarship for 4 years.

Experiences

Massachusetts Institute of Technology, MA Sept 2016 – Now
Research Assistant in Collective Learning Group, MIT Media Lab

Peking University, Beijing, China Jun 2016 – Aug 2016
Visiting Student in PKU Visualization and Visual Analytics Group

University of Illinois at Urbana-Champaign, IL
Teaching Assistant - CS125 Intro to Computer Science Jan – May 2016
Database Technician Sep 2015 – Dec 2015

- Worked as database technician and web designer in Office of Safety in Engineering at Illinois.

University of Science and Technology of China, Hefei, China July 2012 – May 2014
Undergraduate Research Assistant

- Proposed a visualization approach to analyze music listening history and user interests in online music services. Performed a user study to evaluate the method.
- Designed visualization plots to present the propagation of public events in Sina Weibo (microblog).

Microsoft Research Asia, Hefei, Stanford, and Beijing Oct 2012 – Jun 2013
Student Product Designer

- Designed *Family Album*, a lamp-shaped photo sharing device, using projector, camera, and Raspberry Pi, which supports browsing photos in a paper album and enables photo sharing between young and senior generation in a family.

University of Science and Technology of China, Hefei, China Sep 2013 – June 2014
Teaching Assistant - Data Structures and Database.

Papers

Jingxian Zhang, Neel Kothari, Asad Butt, and Ranjitha Kumar. What Makes a Brand Look Expensive? CHI 2016 Late-Breaking Work.

Dong Liu, **Jingxian Zhang. Visual analyses of music download history: User studies.** 2016 International Conference on Multimedia Modeling (MMM). Miami, FL, USA.

Jingxian Zhang and Dong Liu. **Visualization of User Interests in Online Music Services.** *IEEE International Conference on Multimedia & Expo (ICME) Workshop 2014.* Chengdu, China.

S. Jaafar, M. Johns, X. Li, Y. Li, Y. Liu, S. Wang, Y. Wu, **J. Zhang** and J. Gu. **Family Album – Photo Sharing for Intergenerational Connection**. Work-in-Progress in the 8th International Conference on Tangible, Embedded and Embodied Interaction (TEI '14). Munich, Germany.

Projects

- MITeams* Oct 2016 – Now
- An automated visualization platform for quick organizational mapping using email and survey data. MITeams aims to help people understand team communication, team structures, and team dynamics.
- ClintonCircle* Nov 2016
- A tool to help people explore Hillary Clinton, John Podesta, and DNC email archives.
- Predicting Perceived Brand Cost Through Website Design* Feb – Sept 2016
- What Makes a Brand Look Expensive?* Sep 2015 – Jan 2016
- Proposed a model to analyze what web design features are distinctive to the perceived price of a brand. Investigated watch and car brands and found features like #colors, whitespace, #products, and SD of lightness are discriminant to perceived price range.
- Stock Visualization* Jun – Aug 2016
- Built visualization interfaces to help making sense of the relationship between stock price and factors such as executive trading, major shareholder changes, and block trades.
- Borders: Visualizing Temporal Changes in Border Disputes* Sep 2015 – Aug 2016
- A visualization interface to present disputed borders and the views from different countries in maps.
- DiscuSyllabus* Apr – Dec 2015
- Proposed a web-based tool, DiscuSyllabus, to support seminar discussion by users labeling interested areas and discussion topics on shared document. Aim to make users aware of the others' focus on the document, balance talkative and non-talkative students, and improve group discussion efficiency. A user study is in process.
- Visualization of Daily Patterns in Music Listening* Feb 2015 – Feb 2016
- Extension of *Visualization of User Interests in Online music Services*. Based on the feedback in the user study, designed visualization to display users' daily listening pattern. Proposed an interactive interface to enable user exploring their listening history and understand their listening pattern and preference.
- Mining Music Artist Similarity based on MetaPath* Mar – May 2015
- Built heterogeneous network and measured artist similarity by involving two meta paths: a playlist-based one Artist-Track-Playlist-Track-Artist (ATPTA) and a track-based one Artist-Track-Genre-Track-Artist (ATGTA). Group project in CS512 Data Mining Principles.

Skills

·C/C++	·Javascript, CSS, HTML5	·Matlab, R
·Python	·Simple PHP	·D3, Processing
·Arduino, ATmega 16		