

Education

Current **Bachelor of Electronic Engineering**, Tsinghua University.

Experience

Research experience

- Dec. 2012 **Mining and Modeling of Mobile Social Networks**
– Current Bachelor thesis, Supervised by Prof. Li SU, @Dept. of EE.
 - Mining and modeling mobile social networks from a community and time-varying perspective.
 - To design greedy forwarding algorithm using hyperbolic metric space with mobile social network model.
 - To design network resource allocation algorithm in mobile social network.
- Jul. 2012 **Unveiling the Unique Features of Tencent(QQ) Weibo**
–Sep. 2012 Research Intern, Supervised by Prof. Jie TANG, @Dept. of CS & Tencent Co., Ltd.
 - Used Hadoop to process collected data of more than 320M users and 3.7B microblogs;
 - Studied Tencent Weibo from both macro and micro levels;
 - Discovered interesting difference between Tencent Weibo and Twitter.
- Aug. 2012 **User-level Weibo Recommendation based on Semi-Supervised Algorithm**
–Dec. 2012 Research Intern, Supervised by Prof. Jie TANG, @Dept. of CS & Tencent Co., Ltd.
 - Proposed a Factor Graph based weibo recommendation algorithm TSI-WR incorporating Social Influence with high accuracy;
 - Mainly responsible for data cleaning in the group.
- Feb. 2010 **Test and Evaluation of Background Extraction Algorithms**
Course Research, @Dept. of EE.
 - Realized dominant background extraction algorithms with C++;
 - Tested speed and robustness, analyzed applicabilities of each algorithms in varied conditions.
- Sep. 2009 **An Intersection Evaluation Method Base on Pedestrians**
–Oct. 2009 Course Research, Group Leader, Supervised by Prof. Xiqin WANG.
 - Designed an intersection evaluation method, innovatively introduced dynamic model simulation;
 - Tested at five intersections in Beijing, proved high confidence of the method by comparing with survey results.

Project experience

- Dec 2011 **Terrain Classification Based on Locally Stationary Wavelet Model.**
 - Realized locally stationary wavelet model in matlab.
 - Designed terrain classification algorithm, tested in Brodatz textures and Google Earth database with robust results.
- Dec 2011 **Music transcription method based on poisson point process model and beat detection.**
 - Improved point process MCMC method for music transcription with beat detection based on constant Q transform.
 - Reduced the computational complexity while accuracy rate almost unchanged.
- Aug 2011 **ABC Accounting System Data Mart Testing Project**
Intern, Supervised by Sam Wang, @IBM China.
 - Joined a data warehouse testing project of an online analytical processing application for financial management;
 - The accounting system is developed by Agricultural Bank of China.
- May 2010 **Vocabulary-building software.**
 - Application using MFC and XML, integrated Barron's word list, GRE/TOEFL word list and Merriam-Webster Dictionary.
 - Enhance vocabulary-building speed with laws of memory.

Honors and awards

Contest Awards

- 2010 **Frist Prize**, *Beijing Physics Contest for college students*.
2010 **Into the final**, *Tsinghua Electronic Design Contest*, team leader.
2010 **Rank 2nd**, *Baidu Cup Tsinghua Duishi AI Contest*, team leader.
2010 **Rank 3rd**, *Tsinghua QuanHuang AI Contest*.
2009 **Frist Prize**, *National Physics Contest for high school students*.
Rank 4th all over China

Scholarships

- 2010 **Samsung Scholarship**, *Tsinghua University*.
CNY 3,000
2009 **School of Information Science and Technology Scholarship**, *Tsinghua University*.
CNY 20,000

Publications

Daifeng Li, **Jingwei Zhang**, Golden Guo zheng Sun, Jie Tang, Ying Ding, and Zhipeng Luo. What is the nature of chinese microblogging: Unveiling the unique features of tencent weibo. Submitted to WWW2013.

Daifeng Li, Ying Ding, Xin Shuai, Golden Guo zheng Sun, Jie Tang, Zhipeng Luo, **Jingwei Zhang**, and Guo Zhang. Topic-level opinion influence model(toim): An investigation using tencent micro-blogging. Submitted to PLOS ONE.

Daifeng Li, Zhipeng Luo, Golden Guo zheng Sun, Jie Tang, and **Jingwei Zhang**. User-level weibo recommendation incorporating social influence based on semi-supervised algorithm. To be submitted to JASIST.

Extracurricular activities

- Volunteer KDD2012, Beijing
Volunteer 28th Challenge Cup
Member Tsinghua Ski Association
Member Tsinghua Science and Technology Association

Standard tests

- GRE Verbal: 155, Quantitative: 170, Analytical Writing: 3.0
TOEFL Reading: 30, Listening: 30, Speaking: 22, Writing: 22

Computer skills

- Tools C/C++, Java, Matlab, L^AT_EX, verilog, Assembly
Environment Windows, Linux