

# Yulu Wang

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## EDUCATION

- **Department of Computer Science, University of Maryland** *Aug. 2011 – present*  
 PhD, interested in information retrieval  
 Expected graduation date: Dec. 2017
- **College of Software, Nankai University** *Sep. 2007 – Jun. 2011*  
 Bachelor of Engineering, major in software engineering

## WORKING EXPERIENCE

- **Intern at Twitter Inc. (San Francisco, CA)** *Jun. 2016 – Aug. 2016*
  - ✧ Software Engineer in Fake Accounts Team
  - ✧ QRCode reader and scanner for iOS
- **Intern at Facebook Inc. (Menlo Park, CA)** *Jun. 2015 – Aug. 2015*
  - ✧ Software Engineer in Search Team
  - ✧ Develop metric and generate training data in Unicorn for online post search
- **Graduate Teaching Assistant in Department of Computer Science, University of Maryland** *Aug. 2011 – Aug. 2013*
  - ✧ Teaching courses: Object-Oriented Programming I, Object-Oriented Programming II, Introduction to Computer Programming via the Web, Discrete Structure
- **Intern at Sun Microsystems (China) Co., Ltd.** *Oct. 2009 – Jan. 2010*
  - ✧ Work as the main developer and UI designer in the team of nine members to develop a Content Management System
  - ✧ Use MySQL to populate data and JSP to implement the interface and connect to database server

## PROJECTS

- **Selective Search Architectures for Real-Time Tweet Search (Advisor: Professor Jimmy Lin)** *Nov. 2014 – present*
  - ✧ Build selective search architectures for streaming tweet collection to improve search efficiency
  - ✧ Open source repo: ts4.io
- **Brute Force Scans for Real-Time Tweet Search (Advisor: Professor Jimmy Lin)** *Nov. 2014 – present*
  - ✧ Build a brute force scans architecture over the tweet collection to improve search efficiency
  - ✧ Open source repo: <https://github.com/lintool/c-bfscan>
- **Tweet Novelty Extraction, Analysis and Evaluation (Advisor: Professor Jimmy Lin)** *Nov. 2013 – Dec. 2014*
  - ✧ Gather semantic tweets clustering from human beings
  - ✧ Propose a new stable evaluation metric to meet users' satisfactions
- **Study of The Impact of Future Terms Statistics in Real-Time Tweet Search (Advisor: Professor Jimmy Lin)** *Sep. 2013 – Nov. 2013*
  - ✧ Run on index for entire collection and index for each topic in Java to determine the impact of future terms ahead a query time on the searching effectiveness
- **Epiviz: Interactive Visual Analytics for Functional Genomics Data (Advisor: Assistant**

**Professor Hector Corrado Bravo***Sep. 2012 – Dec. 2012*

- ✧ A visual analytic tool for genomic and epigenetic features
- ✧ Responsible for designing and coding in D3, PHP
- ✧ The tool was demonstrated in a paper that was published in *Nature Methods*

➤ **iPhone GUITAR(Graphical User Interface Testing Framework) (Advisor: Associate Professor Atif Memon)** *Sep. 2011 – Dec. 2011*

- ✧ A plug-in to the existing GUITAR automated GUI testing suite
- ✧ Responsible for computing and displaying code coverage of test cases in project files in Python

➤ **Outlier Mining based on Association Rules in City System (Advisor: Associate Professor Zhongwei Li)** *Oct. 2009 – Apr. 2010*

- ✧ Supported by Applied Basic Research Projects with Advance Technology of Tianjin (No. 08JCYBJC10700) and Creative engineering Foundation of BJAST: key laboratory of public safety
- ✧ Responsible for generating association rules using Apriori algorithm based upon the threshold of the support and confidence user provides

**PUBLICATIONS**

- **Yulu Wang, Jimmy Lin. Partitioning and Segment Organizations Strategies for Real-Time Selective Search on Document Streams.** *Proceedings of the Tenth ACM International Conference on Web Search and Data Mining (WSDM 2017)*, February 2017, Cambridge, the United Kingdom.
- Jimmy Lin, Miles Efron, **Yulu Wang**, Garrick Sherman and Ellen Voorhees. **Overview of the TREC-2015 Microblog Track.** *Proceedings of the Twenty-Fourth Text REtrieval Conference (TREC 2015)*, November 2015, Gaithersburg, Maryland.
- **Yulu Wang, Jimmy Lin. The Feasibility of Brute Force Scans for Real-Time Tweet Search.** *Proceedings of the ACM SIGIR International Conference on the Theory of Information Retrieval (ICTIR 2015)*, September 2015, Northampton, Massachusetts.
- **Yulu Wang, Garrick Sherman, Jimmy Lin, and Miles Efron. Assessor Differences and User Preferences in Tweet Timeline Generation.** *Proceedings of the 38th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2015)*, August 2015, Santiago, Chile.
- Jimmy Lin, Miles Efron, **Yulu Wang**, and Garrick Sherman. **Overview of the TREC-2014 Microblog Track.** *Proceedings of the Twenty-Third Text REtrieval Conference (TREC 2014)*, November 2014, Gaithersburg, Maryland.
- **Yulu Wang and Jimmy Lin. The Impact of Future Term Statistics in Real-Time Tweet Search.** *Proceedings of the 36th European Conference on Information Retrieval (ECIR 2014)*, April 2014, Amsterdam, The Netherlands.

**HONORS AND REWARDS**

- Distinguished Teaching Assistant of University of Maryland *May. 2013*
- Elite Graduate of Nankai University *Jun. 2011*
- Certificate of Java Development Skills, Sun Microsystems *Nov. 2010*
- First place in Firefox-Cup Programming Championship, Nankai University *May. 2009*

**SKILLS**

- Java, Python, C, Hadoop, JavaScript, HTML, PHP, Matlab