

Peilin Yang

Address

Twitter, Inc.
1355 Market Street Suite 900
San Francisco, CA 94103

Contact

Phone: (302)-753-3965
yangpeilyn AT gmail.com
<https://peilin-yang.github.io/>

EDUCATION

Ph.D., Computer Engineering Jul 2017
University of Delaware, Newark, DE GPA: 3.90/4.00

Master of Engineer, Electrical Engineering Jun 2011
Xi'an University of Technology, Xi'an, China GPA: 3.81/4.00

Bachelor of Science, Electrical Engineering Jun 2006
Xi'an University of Technology, Xi'an, China GPA: 3.65/4.00

PROFESSIONAL EXPERIENCE

Software Engineer Aug 2017 - Present
Twitter Inc., San Francisco, CA

Research Assistant Jan 2012 - Jul 2017
University of Delaware, Newark, DE

Software Engineer Jun - Aug 2016
Twitter Inc., San Francisco, CA

Software Engineer Jun 2010 - Aug 2011
Longcheer Inc., Xi'an, China

PUBLICATIONS

1. Wei Yang, Kuang Lu, **Peilin Yang**, and Jimmy Lin. *Critically Examining the "Neural Hype": Weak Baselines and the Additivity of Effectiveness Gains from Neural Ranking Models*. In *Proceedings of the 42nd Annual International ACM SIGIR Conference on Research and Development in Information Retrieval* (SIGIR 2019), July 2019, Paris, France.
2. Jimmy Lin and **Peilin Yang**. *The Impact of Score Ties on Repeatability in Document Ranking*. In *Proceedings of the 42nd Annual International ACM SIGIR Conference on Research and Development in Information Retrieval* (SIGIR 2019), July 2019, Paris, France.
3. **Peilin Yang** and Jimmy Lin. *Reproducing and Generalizing Semantic Term Matching in Axiomatic Information Retrieval*. In *Proceedings of the 41th European Conference on Information Retrieval* (ECIR 2019), April 2019, Cologne, Germany.
4. **Peilin Yang**, Hui Fang, and Jimmy Lin. *Anserini: Reproducible Ranking Baselines Using Lucene*. *Journal of Data and Information Quality* 10(4), Article 16 (October 2018).

5. Jimmy Lin, and **Peilin Yang**. *Repeatability corner cases in document ranking: The impact of score ties*. arXiv preprint arXiv:1807.05798 (2018).
6. **Peilin Yang**, Srikanth Thiagarajan, and Jimmy Lin. *Robust, Scalable, Real-Time Event Time Series Aggregation at Twitter*. In *Proceedings of the 2018 ACM SIGMOD International Conference on Management of Data (SIGMOD'2018)*, June 2018, Houston, Texas.
7. Kuang Lu, **Peilin Yang**, Hui Fang. *Silent Day Detection in Real-Time Summarization Track*. In *Proceedings of the 26th Text REtrieval Conference (TREC'2017)*, 2017.
8. Yue Wang, **Peilin Yang**, Hui Fang. *Evaluating Axiomatic Retrieval Models in the Core Track*. In *Proceedings of the 26th Text REtrieval Conference (TREC'2017)*, 2017.
9. **Peilin Yang** and Hui Fang. *Towards Privacy-Preserving Evaluation for Information Retrieval Models Over Industry Data Sets*. In *Proceedings of the 13th Asia Information Retrieval Societies Conference (AIRS'2017)*. Springer International Publishing, Jeju Island, South Korea, 210-221.
10. **Peilin Yang** and Hui Fang. *Can Short Queries Be Even Shorter?* In *Proceedings of the 2017 ACM International Conference on the Theory of Information Retrieval (ICTIR'2017)*. ACM, New York, NY, USA, 43-50.
11. **Peilin Yang**, Hui Fang, and Jimmy Lin. 2017. *Anserini: Enabling the Use of Lucene for Information Retrieval Research*. In *Proceedings of the 40th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR'2017)*. ACM, New York, NY, USA, 1253-1256.
12. Leif Azzopardi, Matt Crane, Hui Fang, Grant Ingersoll, Jimmy Lin, Yashar Moshfeghi, Harrison Scells, **Peilin Yang**, and Guido Zuccon. 2017. *The Lucene for Information Access and Retrieval Research (LIARR) Workshop at SIGIR 2017*. In *Proceedings of the 40th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR'2017)*. ACM, New York, NY, USA, 1429-1430.
13. **Peilin Yang** and Hui Fang. *A Reproducibility Study of Information Retrieval Models*. In *Proceedings of the 2016 ACM International Conference on the Theory of Information Retrieval (ICTIR'2016)*. ACM, New York, NY, USA, 77-86.
14. **Peilin Yang** and Hui Fang. *Estimating Retrieval Performance Bound for Single Term Queries*. In *Proceedings of the 2016 ACM International Conference on the Theory of Information Retrieval (ICTIR'2016)*. ACM, New York, NY, USA, 237-240.
15. **Peilin Yang**, Hongning Wang, Hui Fang, and Dend Cai. *Opinions matter: a general approach to user profile modeling for contextual suggestion*. *Inf. Retr.* 18, 6 (December 2015), 586-610.
16. **Peilin Yang**, Hui Fang. *Combining Opinion Profile Modeling with Complex Context Filtering for Contextual Suggestion*. In *Proceedings of the 24th Text REtrieval Conference (TREC'2015)*, 2015.
17. **Peilin Yang** and Hui Fang. *Exploration of Opinion-aware Approach to Contextual Suggestion*. In *Proceedings of the 23rd Text REtrieval Conference (TREC'2014)*, 2014.
18. Xitong Liu, **Peilin Yang** and Hui Fang. *Entity Came to Rescue - Leveraging Entities to Minimize Risks in Web Search*. In *Proceedings of the 23rd Text REtrieval Conference (TREC'2014)*, 2014.
19. Hui Fang, Hao Wu, **Peilin Yang**, Chengxiang Zhai. *VIRLab: A Web-based Virtual Lab for Learning and Studying Information Retrieval Models*. In *Proceedings of the 37th international ACM SIGIR conference on Research & development in information retrieval (SIGIR '2014)*. ACM, New York, NY, USA, 1249-1250.
20. Xitong Liu, **Peilin Yang** and Hui Fang. *EntEXPO: An Interactive Search System for Entity-Bearing Queries*. In *Proceedings of the 36th European Conference on IR Research on Advances in Information Retrieval - Volume 8416 (ECIR'2014)*, Vol. 8416. Springer-Verlag New York, Inc., New York, NY, USA, 784-788.
21. **Peilin Yang** and Hui Fang. *Opinion-based User Profile Modeling for Contextual Suggestions*. In *Proceedings of the 2013 Conference on the Theory of Information Retrieval (ICTIR '13)*. ACM, New York, NY, USA, , Pages 18 , 4 pages. 2013.

22. **Peilin Yang** and Hui Fang. *An Opinion-aware Approach to Contextual Suggestion*. In *Proceedings of the 22nd Text REtrieval Conference (TREC'2013)*, 2013.
23. **Peilin Yang** and Hui Fang. *Evaluating the Effectiveness of Axiomatic Approaches in Web Track*. In *Proceedings of the 22nd Text REtrieval Conference (TREC'2013)*, 2013.
24. **Peilin Yang** and Hui Fang. *An exploration of ranking-based strategy for contextual suggestion*. In *Proceedings of the 21st Text REtrieval Conference (TREC'2012)*, 2012.
25. Taifei Zhao, Xizheng Ke and **Peilin Yang**. *Position and Velocity Aided Routing Protocol in Mobile Ad Hoc Networks*. *International Journal of Digital Content Technology and its Applications (JD-CTA'2010)*, 2010.
26. Taifei Zhao, Xizheng Ke and **Peilin Yang**. *Local-map-based candidate node-encircling pre-configuration cycles construction in survivable mesh networks*. In *First International Conference on Future Information Networks (ICFIN'2009)*, 2009.
27. **Peilin Yang**, Xizheng Ke and Taifei Zhao. *Study of Ultraviolet Mobile Ad Hoc Network*. In *Symposium on Photonics and Optoelectronics (SOPO'2009)*, 2009.

Services

- **Program Committee Member:**
 - ACM Special Interest Group on Information Retrieval Conference (*SIGIR2018*, *SIGIR2019*)
 - ACM Special Interest Group on Knowledge Discovery and Data Mining (*SIGKDD2018*, *SIGKDD2019*)
 - ACM International Conference on Web Search and Data Mining (*WSDM2019*)
 - European Conference on Information Retrieval (*ECIR2019*)
 - The Lucene for Information Access and Retrieval Research Workshop (*LIARR2017*)
 - IEEE International Conference on Open Source System and Technologies (*ICOSST2016*, *ICOSST2017*),
 - iCatse Symposium on Electrical Engineering (*ISEE2017*).
- **Reviewer:** European Conference on Information Retrieval (*ECIR2018*), Asia Information Retrieval Societies (*AIRS2017*), ACM International Conference on Web Search and Data Mining (*WSDM2017*)
- **Editorial Board:** Engineering Press.

Awards and Honors

- Graduate Fellow Award, University of Delaware, 2016
- Top 3 Performance on Contextual Suggestion track of the Text REtrieval Conference(TREC), 2015
- Top 1 Performance on Contextual Suggestion track of the Text REtrieval Conference(TREC), 2014
- Top 1 Performance on Web track of the Text REtrieval Conference(TREC), 2014
- Top 1 Performance on Contextual Suggestion track of the Text REtrieval Conference(TREC), 2013
- Top 2 Performance on Web track of the Text REtrieval Conference(TREC), 2013
- Top 3 Performance on Contextual Suggestion track of the Text REtrieval Conference(TREC), 2012