

Biographical Sketch  
**Dr. Lilian Weng**

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**(a) Professional Preparation**

Peking University, Beijing, China; Information Systems & Computer Science; B.S., 2009  
Indiana University Bloomington, IN, USA; Complex Systems & Networks; Ph.D., 2014

**(b) Appointments**

2014–present: **Data Scientist**, Dropbox, Inc., San Francisco, CA  
Summer 2013: **Data Scientist Intern**, Facebook, Menlo Park, CA  
Summer 2012: **Software Engineer Intern**, Facebook, Menlo Park, CA  
Summer 2011: **User Research Intern**, Mozilla Corporation, Mountain View, CA  
Summer 2010: **Research Intern**, eBay, Inc., San Jose, CA  
Spring 2009: **User Experience Intern**, Yahoo! China, Alibaba.com, Beijing, China

**(c) Publications**

1. **Weng, L.** and Menczer F.. Topicality and Impact in Social Media: Diverse Messages, Focused Messengers. *PLOS ONE* 10(2): e0118410. doi: 10.1371/journal.pone.0118410. 2015.
2. **Weng L.**, Karsai, M., Perra N., Menczer F., and Flammini A.. Attention on Weak Ties in Social and Communication Networks. *Under review*, 2015.
3. **Weng L.** and Menczer F., and Flammini A.. Online Interactions. In *Social Phenomena: From Data to Models*, Springer, forthcoming. 2014.
4. **Weng L.**. Information Diffusion on Online Social Networks. *Ph.D. dissertation*, Indiana University. 2014.
5. **Weng L.**, Menczer F., and Ahn, Y.-Y.. Predicting Successful Memes using Network and Community Structure. In: *Proc. AAAI Intl. Conf. on Weblogs and social media (ICWSM)*. 2014.
6. **Weng L.** and Lento T.. Topic-based Clusters in Egocentric Networks on Facebook. In: *Proc. AAAI Intl. Conf. on Weblogs and social media (ICWSM)*. 2014.
7. **Weng L.**, Menczer F., and Ahn, Y.-Y.. Virality Prediction and Community Structure in Social Networks. *Nature Scientific Report*. (3)2522, 2013. (Media coverage: [1])
8. **Weng L.**, Ratkiewicz J., Perra N., Gonçalves B., Castillo C., Bonchi F., Schifanella R., Menczer F., and Flammini A.. The Role of Information Diffusion in the Evolution of Social Networks. In: *Proc. ACM SIGKDD Intl. Conf. on Knowledge discovery and data mining (KDD)*. 2013.
9. **Weng L.** and Menczer F.. Computational Analysis of Collective Behaviors via Agent-Based Modeling. *Handbook of Human Computation*, Springer, 2013.
10. **Weng L.** and Menczer F.. Emergent Semantics from Game-induced Folksonomies. In: *Proc. ACM SIGKDD Crowdsourcing and data mining workshop (CrowdKDD)*. 2012.
11. **Weng L.**, Flammini A., Vespignani A. and Menczer F.. Competitions among topics in a world with limited attention. *Nature Scientific Report*, (2)335, 2012. (Media coverage: [1][2][3][4])

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12. **Weng L.** and Menczer F.. Context Visualization for Social Bookmark Management. Technical Report 1211.6799 [cs.HC], *arXiv*, 2012.
  13. **Weng L.**, Schifanella R. and Menczer F.. Design of Social Games for Collecting Reliable Semantic Annotations. In: *Proc. IEEE Intl. Conf. on Computer games (CGAMES)*. 2011.
  14. **Weng L.**, Flammini A. and Menczer F.. An Information Propagation Model Based on User Interests. In: *Proc. 8th Intl. Conf. on Complex systems (ICCS)*, 2011.
  15. **Weng L.**, Schifanella R. and Menczer F.. The Chain Model for Social Tagging Game Design. In: *Proc. ACM Intl. Conf. on Foundation of digital games (FDG)*, 2011.
  16. **Li(Lilian) Weng** and Menczer F.. GiveALink Tagging Game: An Incentive for Social Annotation. In: *Proc. ACM SIGKDD Human computation workshop (HComp)*. 2010.

#### **(d) Synergistic Activities**

1. **Conference service:** (i) Extended Reviewer for WWW2012 (Social networks track), 2011 (ii) Reviewer of Nature Scientific Report, 2013 (iii) Reviewer of New Media & Society, 2013 (iv) Reviewer of Journal Technological Forecasting & Social Change, 2013 (v) PC Member of 1st Data Visualization Workshop of ACM Hypertext, 2014 (vi) PC Member of 6th International Conference on Social Informatics, 2014 (vii) PC Member of 5th ACM Web Science Conference 2014 (viii) Reviewer of the Transactions on Knowledge and Data Engineering, 2014 (ix) Reviewer of Physica A, 2014 (x) Sub reviewer of WWW2015 (Web science track), 2015 (xi) PC Member of 6th ACM Web Science Conference, 2015
2. **Teaching:** (i) Associate Instructor for INFO-I527: Search Informatics, School of Informatics and Computing, Indiana University Bloomington, 2010.

#### **(e) Collaborators & Other Affiliations**

**Collaborators and Co-Editors:** Filippo Menczer; Alessandro Flammini; Alessandro Vespignani; Yong-yeol Ahn; Rossano Schifanella; Nicola Perra; Márton Karsai; Jacob Ratkiewicz; Bruno Gonçalves; Carlos Castillo; Francesco Bonchi; Thomas Lento;