Lingkun Kong

http://ohyoukillkenny.github.io

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SEIEE Buildings 1-441, SJTU

Education

- **Shanghai Jiao Tong University** — Shanghai, China
  Department of Computer Science — *Feb. 2016–Jul. 2018 (expected)*
  - BS in Computer Science, Technology & Engineering Honor Class, *Dept. of CS-Zhiyuan College joint program*
  - Major GPA: **92.88/100**, Cumulative GPA: **91.89/100**

  School of Mechanical Engineering — *Sept. 2014–Jan. 2016*
  - Engineering Pilot Class, Cumulative GPA: **88.33/100**
- **Cornell University** — Ithaca, NY
  Computer Science Department, Visiting Student — *Jun.–Jul. 2017*

Research Interests

- Networking and Systems

Publications

- L. Fu, S. Ma, **L. Kong**, S. Shi, X. Wang, *"FINE: A Framework for Distributed Learning on Incomplete Observations for Heterogeneous Crowdsensing Networks"*, to appear in IEEE/ACM Transactions on Networking, 2018.
- **L. Kong**, X. Wu, H. Zhu, L. Fu, X. Wang, G. Chen, *"Evolving Bipartite Model Reveals the Bounded Weights in Social Networks: A Case Study in Recommendation Networks"*, submitted to MobiHoc 2018

Patents

- J. He, Y. Huang, **L. Kong**, J. Shen, C. Liu, Y. Jia, H. Xiao, W. Tang, T. Hu, L. Fu, X. Wang, *"An Method to Construct & Visualize the Heterogeneous Topic Network Based on Text Information"*, CHN No. 106372147A, Approved Feb. 1^{st} 2017

Research Experience

- **Bancor Simulator:** *Simulator for Market Analysis under Bancor Protocol* — *Jul. 17-Dec. 17*
  Research Assistant, supervised by Prof. Emin Gün Sirer
  - *Goal:* to build a simulator monitoring market performance under Bancor protocol to explore the robustness and efficiency of Bancor.
- **Evolving Bipartite Model Reveals the Bounded Weights in Social Networks** — *Nov. 2017*
  Research Assistant, supervised by Prof. Xinbing Wang & Prof. Luoyi Fu
  - *Goal:* to propose a novel evolving bipartite model (EBM) that highlights the establishment of social connections for new vertices and the characterization of their behaviors based on weighting-driven preferential attachment.
- **Multi-entity Scholarly Model for Systematic Understanding of Evolving Scholarly Networks** *Jun. 16-Oct. 17*
  Research Assistant, supervised by Prof. Xinbing Wang & Prof. Luoyi Fu
  - *Goal:* to incorporate different kinds of entities (i.e., paper, author and topic) into an entirety to generate a systematic understanding of scholarly networks at scale.
- **Are Scholarly Domains Crossable?** — *Feb. 17-Jun. 17*
  Research Assistant, supervised by Prof. Xinbing Wang & Prof. Luoyi Fu
  - *Goal:* to explore the possible existence of scholarly cross-domain collaborations.

Side Projects

- **Acemap:** *Academic Map System* — *Jun. 2015-Present*
  - Develop visualizing applications for scholarly information networks and presentation approaches.
  - Implement the recommending algorithm for papers in Acemap, and present the result on website.
  - Build and maintain the server and the back-end for Acemap.

Selected Scholarship & Honors

- **China National Scholarship** *highest honor for undergraduates in China, top 0.2% nationwide* — *2015 & 2017*
- **Junzheng Scholarship** *award for excellent research performance, top 30 in SJTU* — *2017*
- **Scholarship of Outstanding Undergraduates** *award for excellent research performance, top 2 in SEIEE* — *2017*
- **Zhiyuan Honor Scholarship** *award for excellent academic performance* — *each possible academic year*
- **Merit Student of Shanghai Jiao Tong University** *award for superior comprehensive performance* — *2015*

Teaching Experience

- **Teaching Assistant for CS 499** *Mathematical Foundations of Computer Science* — *Spring 2017*
- **Teaching Assistant for CS 334** *Computer Organization Lab* — *Spring 2016*