

Liyao Xiang

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- AFFILIATION** Department of Electrical and Computer Engineering, University of Toronto
10 King's College Road, Toronto, Ontario, Canada M5S 3G4
- PERSONAL INFORMATION** Citizenship Chinese
Gender Female
- EDUCATION** **Ph.D.**, Electrical and Computer Engineering, July 2018 (Expected)
University of Toronto, Toronto, Canada Advisor: Professor Baochun Li
M.A.Sc., Electrical and Computer Engineering, January 2015
M.A.Sc. Thesis: Mobile Offloading for Energy-efficient Computation on Smartphones.
University of Toronto, Toronto, Canada Advisor: Professor Baochun Li
B.S., Electrical Engineering, 2012, Shanghai Jiao Tong University, Shanghai, China
- RESEARCH INTERESTS** Security and privacy in machine learning, privacy analysis in data mining, indoor localization, mobile cloud computing
- HONORS & AWARDS** IEEE CNS ComSoc Student Travel Grant 2017
University Fellowship, University of Toronto 2012-Present
Academic Excellence Scholarship, Shanghai Jiao Tong University 2009-2011
Jidian Electronics Scholarship 2009
- PUBLICATIONS** **Journal Papers**
- [J1] **Liyao Xiang**, Tzu-Yin Tai, Baochun Li, Bo Li, "Tack: Learning Towards Contextual and Ephemeral Indoor Localization With Crowdsourcing," in IEEE Journal on Selected Areas in Communications (JASC), Special Issue on Human-In-The-Loop Mobile Networks, vol. 35, no. 4, pp. 863-879, April 2017.
- Conference Papers**
- [C4] **Liyao Xiang**, Baochun Li, Bo Li. "Privacy-Preserving Inference in Crowdsourcing Systems," in Proc. IEEE Conference on Communications and Network Security (IEEE CNS), Las Vegas, NV, October 9-11, 2017.
 - [C3] **Liyao Xiang**, Baochun Li, Bo Li. "Coalition Formation towards Energy-Efficient Collaborative Mobile Computing," in Proc. International Conference on Computer Communications and Networks (ICCCN 2015), Las Vegas, NV, August 3-6, 2015.
 - [C2] **Liyao Xiang**, Shiwen Ye, Yuan Feng, Baochun Li, Bo Li, "Ready, Set, Go: Coalesced Offloading from Mobile Devices to the Cloud," in Proc. IEEE International Conference on Computer Communications (INFOCOM 2014).
 - [C1] **Liyao Xiang**, Gaofei Sun, Jing Liu, Xinbing Wang, Li Li, "A Discriminatory Pricing Double Auction for Spectrum Allocation," in Proc. IEEE Wireless Communications and Networking Conference (WCNC 2012).
- TEACHING EXPERIENCE** **Teaching Assistant**
- CSC326, Programming Languages, UofT Fall, 2017
Duties include delivering weekly tutorials, marking assignments, quizzes, and exams.

- ECE353, Systems Software, UofT Spring, 2015/2016/2017
Duties include supervising weekly labs, assisting students with programming.
- APS105, Computer Fundamentals, UofT Fall, 2014/2015
Duties include writing auto-marking software, supervising weekly labs.
- ECE297, Communication System Design, UofT Spring, 2013/2014
Duties include supervising weekly labs and marking.
- CSC207, Software Design, Lab TA, UofT Fall, 2013
Duties include supervising weekly labs and marking.
- Ve401, Probabilistic Methods in Engineering, SJTU Spring, 2012
Duties include delivering weekly tutorials, marking assignments and exams.

INDUSTRIAL EXPERIENCE

Software/QA Engineering Intern

1/2012-7/2012

- Cisco's Enterprise Voice Team, Shanghai. Wrote Tcl automation scripts to improve the automation coverage of IP phone features.

PROFESSIONAL SERVICES

- **Conference Volunteer:** IEEE INFOCOM 2014, IEEE ICNP 2017
- **Reviewer for Journal Manuscript Submissions:** IEEE Transactions on Mobile Computing, IEEE Transactions on Services Computing, Multimedia Systems Springer Journals
- **Reviewer for Conference Manuscript Submissions:** ACM CoNEXT, ACM SIGMETRICS, ACM MobiCom, ACM Multimedia, ACM MMSys, ACM NOSSDAV, IEEE ICNP, IEEE ICDCS, IEEE IWQoS, IEEE SECON, IEEE MASS, IEEE GLOBECOM, IEEE ICC, IEEE IC2E, IEEE NetCod, IEEE CNS.

MEMBERSHIPS

IEEE Student Member, IEEE Communications Society.

REFERENCES

Baochun Li, IEEE Fellow, Professor
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Wei Yu, The Canadian Academy of Engineering Fellow, IEEE Fellow, Professor
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