

Ming Yin

CONTACT INFORMATION	Microsoft Research NYC 641 Avenue of the Americas, 7th Floor New York, NY 10011, USA	<i>Phone:</i> (+1) 617-216-8924 <i>Email:</i> Ming.Yin@microsoft.com http://www.mingyin.org
RESEARCH INTERESTS	Social computing, human computation and crowdsourcing, computational social science, applied artificial intelligence and machine learning, human-computer interaction, behavior economics.	
EDUCATION	Harvard University , Cambridge, MA, USA <i>Ph.D.</i> in Computer Science <i>Master of Science</i> in Computer Science Advisor: Yiling Chen	Sep 2011 – Jun 2017
	City University of Hong Kong , Hong Kong, China <i>Undergraduate Exchange Student</i> in Computer Science	Aug 2009 – Dec 2009
	Tsinghua University , Beijing, China <i>Bachelor of Engineering</i> in Computer Software	Aug 2007 – Jul 2011
APPOINTMENTS	Postdoctoral Researcher <i>Microsoft Research</i> , Computational Social Science Group, New York, NY	Aug 2017 – Jun 2018
	Research Intern <i>Microsoft Research</i> , Social Media Collective, Cambridge, MA Mentor: Mary L. Gray	Aug 2016 – Oct 2016
	Research Intern <i>Microsoft Research</i> , Computational Social Science Group, New York, NY Mentor: Siddharth Suri and Jennifer Wortman Vaughan	Jun 2015 – Aug 2015
	Research Intern <i>PARC</i> , Collective Intelligence and Service Computing Group, Webster, NY Mentor: Yu-An Sun	Jun 2014 – Aug 2014
	Research Intern <i>Xerox Research</i> , Social and Web Technology Group, Webster, NY Mentor: Yu-An Sun	Jun 2013 – Aug 2013
	Research Intern <i>Baidu Inc.</i> , Ads Research Team, Beijing, China Mentor: Yunhong Zhou	Mar 2011 – Jul 2011
HONORS AND AWARDS	Siebel Scholar, the Siebel Foundation Chinese Government Award for Outstanding Students Abroad Best Paper Honorable Mention, CHI NSF Student Travel Award, AAMAS Certificate of Distinction in Teaching, Harvard University Graduate Student Fellowship, Harvard University Beijing Outstanding Graduate, Beijing Municipal Commission of Education Tsinghua University Outstanding Graduate, Tsinghua University	Class of 2017 2016 2016 2015 2013 2011 2011 2011

Tsinghua's Friend – Widjaja Scholarship, Tsinghua University	2009
National Southwest Associated University Scholarship, Tsinghua University	2008

PUBLICATIONS

Conference Papers

Ming Yin, Yiling Chen. Predicting Crowd Work Quality under Monetary Interventions. In *Proc. of the 4th AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, Austin, TX, October 30 – November 3, 2016.

Edith Law, **Ming Yin**, Joslin Goh, Kevin Chen, Michael Terry, Krzysztof Z. Gajos. Curiosity Killed the Cat, but Makes Crowdwork Better. In *Proc. of the 34th ACM Conference on Human Factors in Computing Systems (CHI)*, San Jose, CA, May 2016. **(Best Paper Honorable Mention)**

Ming Yin, Mary Gray, Siddharth Suri, Jennifer Wortman Vaughan. The Communication Network Within the Crowd. In *Proc. of the 25th International World Wide Web Conference (WWW)*, Montreal, Canada, April 2016.

Ming Yin, Yiling Chen. Bonus or Not? Learn to Reward in Crowdsourcing. In *Proc. of the 24th International Joint Conference on Artificial Intelligence (IJCAI)*, Buenos Aires, Argentina, July 2015.

Ming Yin, Yu-An Sun. Human Behavior Models for Virtual Agents in Repeated Decision Making under Uncertainty. In *Proc. of the 14th International Conference on Autonomous Agents & Multiagent Systems (AAMAS)*, Istanbul, Turkey, May 2015.

Ming Yin, Yiling Chen, Yu-An Sun. Monetary Interventions in Crowdsourcing Task Switching. In *Proc. of the 2nd AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, Pittsburgh, PA, November 2014.

Ming Yin, Yiling Chen, Yu-An Sun. The Effects of Performance-Contingent Financial Incentives in Online Labor Markets. In *Proc. of the 27th Conference on Artificial Intelligence (AAAI)*, Bellevue, WA, July 2013.

Yang Sun, Yunhong Zhou, **Ming Yin**, Xiaotie Deng. On the Convergence and Robustness of Reserve Pricing in Keyword Auctions. In *Proc. of the 14th International Conference on Electronic Commerce (ICEC)*, Singapore, August 2012.

Ming Yin, Peibei Shi, Wangshu Zhang, Rui Jiang. Optimizing subnetwork markers for the classification of breast cancer metastases: A simulated annealing strategy. In *Proc. of 2011 International Conference on Medical Information and Bioengineering (ICMIB)*, Chengdu, China, January 2011.

Xiaotie Deng, Yang Sun, **Ming Yin**, Yunhong Zhou. Mechanism design for multi-slot ads auction in sponsored search markets. In *Proc. of the 4th International Frontiers in Algorithmics Workshop (FAW)*, Wuhan, China, August 2010.

Posters and Extended Abstracts

Edith Law, **Ming Yin**, Joslin Goh, Kevin Chen, Michael Terry, Krzysztof Z. Gajos. Curiosity Killed the Cat, but Makes Crowdwork Better. In *the 2016 Conference on Digital Experimentation (CODE)*, Cambridge, MA, October 2016.

Mary Gray, Siddharth Suri, **Ming Yin**, Jennifer Wortman Vaughan, Syed Shoaib

	<p>Ali, Deepti Kulkarni. The Collaboration and Communication Networks within the Crowd. In <i>the 2016 International Conference on Computational Social Science (IC2S2)</i>, Evanston, IL, June 2016.</p> <p>Ming Yin, Yiling Chen, Yu-An Sun. Task Sequence Design: Evidence on Price and Difficulty. In <i>the 1st AAAI Conference on Human Computation and Crowdsourcing (HCOMP)</i>, Palm Springs, CA, November 2013. (Work in progress track)</p>	
PATENTS	<p>Method and Apparatus for Recommending a Selection between a Reseller and a Multi-sided Platform, with Yu-An Sun, US Patent Application Number 14/161393.</p>	
TEACHING	<p>Guest Lecturer, Harvard University • CS 280r (Advanced Topics in Artificial Intelligence)</p> <p>Teaching Fellow, Harvard University • CS182 (Intelligent Machines: Reasoning, Actions and Plans)</p> <p>Teaching Fellow, Harvard University • AM121 (Introduction to Optimization: Models and Methods)</p>	<p>Spring 2015, Spring 2017</p> <p>Fall 2013, Fall 2014</p> <p>Spring 2013</p>
SELECTED INVITED TALKS	<p>Peeking into the On-Demand Economy. <i>Data Science Seminar, University of Massachusetts.</i> Amherst, MA. <i>Computer Science Department, Boston College.</i> Chestnut Hill, MA. <i>Simon Fraser University.</i> Burnaby, BC, Canada. <i>Information Science Colloquium, Cornell University.</i> Ithaca, NY. <i>Microsoft Research.</i> New York, NY. <i>Department of Computer Science, Purdue University.</i> West Lafayette, IN. <i>University of Waterloo.</i> Waterloo, ON, Canada.</p> <p>Designing Incentives for Humans in the Loop. <i>Image and Video Computing Seminar, Boston University.</i> Boston, MA.</p>	<p>Mar 2017 Mar 2017 Mar 2017 Feb 2017 Feb 2017 Feb 2017 Feb 2017</p> <p>Nov 2016</p>
LEADERSHIP AND SERVICE	<p>Program Committees International World Wide Web Conference (WWW), 2018 The Second Workshop on Human Computation for Image and Video Analysis (Group-Sight@HCOMP), 2017 The Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD), 2017</p> <p>Conference/Workshop Organizing Committees The AAAI Conference on Human Computation and Crowdsourcing, HCOMP 2017, Website Co-chair Designing for Curiosity: an Interdisciplinary Workshop, CHI 2017, Co-organizer</p> <p>Conference Refereeing ACM Conference on Human Factors in Computing Systems (CHI), 2017, 2014 ACM Conference on Economics and Computation (EC), 2016 ACM Conference on Computer-Supported Cooperative Work (CSCW), 2015 The Conference on Web and Internet Economics (WINE), 2012 International World Wide Web Conference (WWW), 2011 The International Colloquium on Automata, Languages and Programming (ICALP), 2010</p> <p>Journal Refereeing</p>	

Science Advances, ACM Transactions on Intelligent Systems and Technology (TIST)

Student Organizer

Harvard EconCS Seminar 2013 – 2014

Graduate Student Mentor

SEAS Connect Program, Harvard University 2013 – 2014

GSAS Host Student Program, Harvard University 2012 – 2013

President

Student Association of Science and Technology (SAST), School of Software, Tsinghua University 2010 – 2011