

**NSF BIOGRAPHICAL SKETCH**

Provide the following information for the Senior personnel.  
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**IDENTIFYING INFORMATION:**

NAME: Ho, Chien-Ju

POSITION TITLE: Assistant Professor

ORGANIZATION AND LOCATION: Washington University in St. Louis, St. Louis, MO, United States

**Professional Preparation:**

ORGANIZATION AND LOCATION	DEGREE (if applicable)	DATE RECEIVED	FIELD OF STUDY
Cornell University, Ithaca, NY, United States	Postdoctoral Fellow	2015 - 2017	
University of California, Los Angeles, Los Angeles, CA, United States	PHD	09/2015	Computer Science
National Taiwan University, Taipei, Taiwan	MS	06/2007	Computer Science and Information Engineering
National Taiwan University, Taipei, Taiwan	BS	06/2005	Computer Science and Information Engineering
National Taiwan University, Taipei, Taiwan	BS	06/2005	Physics

**Appointments and Positions**

2017 - present Assistant Professor, Washington University in St. Louis, St. Louis, MO, United States

2015 - 2017 Postdoctoral Associate, Cornell University, Ithaca, NY, United States

**Products****Products Most Closely Related to the Proposed Project**

1. Tang W, Ho C. Bandit Learning with Biased Human Feedback. Proceedings of the Eighteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS). 2019.
2. Ho C, Slivkins A, Suri S, Vaughan JWortman. Incentivizing High Quality Crowdswork. Proceedings of the Twenty-Fourth International World Wide Web Conference (WWW). 2015.
3. Tang W, Ho C. On the Bayesian Rational Assumption in Information Design. Proceedings of the Ninth AAAI Conference on Human Computation and Crowdsourcing (HCOMP). 2021.
4. Duan X, Ho C, Yin M. The Influences of Task Design on Crowdsourced Judgement: A Case Study of Recidivism Risk Evaluation. The Web Conference (WWW). 2022.
5. Yu G, Tang W. Environment Design for Biased Decision Makers. Proceedings of the Thirty-

First International Joint Conference on Artificial Intelligence (IJCAI). 2022.

*Other Significant Products, Whether or Not Related to the Proposed Project*

1. Tang W, Ho C, Yin M. Leveraging Peer Communication to Enhance Crowdsourcing. Proceedings of the Web Conference 2019 (WWW). 2019.
2. Ho C, Frongillo R, Chen Y. Eliciting Categorical Data for Optimal Aggregation. Proceedings of the Thirtieth Annual Conference on Neural Information Processing Systems (NIPS). 2016.
3. Ho C, Slivkins A, Vaughan JWortman. Adaptive Contract Design for Crowdsourcing Markets: Bandit Algorithms for Repeated Principal-Agent Problems. Journal of Artificial Intelligence Research. 2016.
4. Ho C, Vaughan JWortman. Online Task Assignment in Crowdsourcing Markets. Proceedings of the Twenty-Sixth Conference on Artificial Intelligence (AAAI). 2012.
5. Tang W, Ho C, Liu Y. Bandit Learning with Delayed Impact of Actions. Proceedings of the Thirty-Fifth Conference on Neural Information Processing Systems (NeurIPS). 2021.

**Synergistic Activities**

1. Doctoral Consortium Co-Chair: 10th AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2022)
2. Poster and Work-in-Progress Co-Chair: 7th AAAI Conference on Human Computation and Crowdsourcing (HCOMP 2019)
3. Organizer: HCOMP Workshop on Mathematical Foundations of Human Computation (2016)
4. Organizer: NIPS Workshop: Crowdsourcing and Machine Learning (2014)
5. Senior Program Committee on major AI/ML conferences (e.g., AAAI 2020-2022)

**Certification:**

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Ho, Chien-Ju in SciENCv on 2023-04-16 23:31:18