

Jixin Li

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RESEARCH INTERESTS

Experience sampling, mobile health, human-computer interaction, machine learning.
Summary: developing sustainable, adaptive ecological momentary assessment methods and just-in-time adaptive interventions using mobile and wearable technologies.

EDUCATION

Northeastern University , Boston, MA	09/2019-05/2026
Ph.D. in Personal Health Informatics	
Advisor: Prof. Stephen Intille	
Columbia University , New York City, NY	08/2016-12/2017
M.A. in Statistics	
University of Michigan , Ann Arbor, MI	08/2012-05/2014
B.A. in Psychology, minor in Applied Statistics, University Honor	
Renmin University of China , Beijing, P.R.China	08/2010-07/2012
Major in Applied Psychology and transferred to the University of Michigan	

PUBLICATIONS

- Ponnada, A., Wang, S. D., **Li, J.**, Wang, W. L., Dunton, G. F., Hedeker, D., Intille, S. S. (2025). Longitudinal User Engagement with Microinteraction Ecological Momentary Assessment (EMA). Proceedings of the ACM on interactive, mobile, wearable and ubiquitous technologies, 9(3), 1-27.
- Prochnow, T., Wang, W. L., Wang, S., **Li, J.**, Rothman, A. J., Intille, S. S., ... Dunton, G. F. (2025). Understanding Longitudinal Ecological Momentary Assessment Completion: Results From 12 Months of Burst Sampling in the TIME Study. JMIR mHealth and uHealth, 13(1), e67117.
- Cho YW, Chow S-M, **Li, J.**, Wang W-L, Wang S, Chinchilli VM, Intille SS, Dunton GF. (In Press) Understanding Within- and Between-Individual Compliance in mHealth: A Joint Modeling Approach to Non-Random Missingness JMIR Mhealth Uhealth.
- Crosley-Lyons, R., **Li, J.**, Wang, W.L., Wang, S.D., Huh, J., Bae, D., Intille, S.S. and Dunton, G.F., 2025. Exploring person-centred sleep and rest–activity cycle dynamics over 6 months. Journal of Sleep Research, p.e14471.
- Li, J.**, Ponnada, A., Wang, W.L., Dunton, G. and Intille, S., 2024. Ask Less, Learn More: Adapting Ecological Momentary Assessment Survey Length by Modeling Question-Answer Information Gain. Proceedings of the ACM on interactive, mobile, wearable and ubiquitous technologies, 8(4), pp.1-32.
- Wang, W. L., **Li, J.**, Wang, S. D., Rothman, A., Intille, S. S., Dunton, G. F. (2024, April). Prevalence of physical activity maintenance across a 12-month study: Comparison of accelerometer indicators. Annals of Behavioral Medicine, Vol. 58, pp. S130-S130.

Dunton, G.F., Wang, W.L., **Li, J.**, Hedeker, D., Intille, S.S. and Rothman, A.J., 2024. Developing a Framework to Evaluate the Validity of Longitudinal Accelerometer-Based Indicators of Physical Activity Maintenance. *Journal of Physical Activity and Health*, 21(10), pp.961-962.

Le, H., Lakshminarayanan, R., **Li, J.**, Mishra, V. and Intille, S., 2024. Collecting Self-reported Physical Activity and Posture Data Using Audio-based Ecological Momentary Assessment. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*, 8(3), pp.1-35.

Ponnada, A.*, **Li, J.***, Wang, S., Wang, W.L., Do, B., Dunton, G.F. and Intille, S.S., 2022. Contextual Biases in Microinteraction Ecological Momentary Assessment (μ EMA) Non-response. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*, 6(1), pp.1-24. **Distinguished Paper Award (DPA) at the UbiComp/ISWC 2023.**

**CONFERENCE
POSTERS &
PRESENTATIONS**

Wang, W.L., **Li, J.**, Intille, S., Hedeker, D., & Dunton, G. Using Intraindividual Means and Variances from Ecological Momentary Assessment Data as Predictor Variables: Comparing Standard Computational Formulas to Mixed-Effects Location-Scale Model Estimates. Special Issue of the *Journal of Behavioral Medicine* on Data Analysis for Behavioral Medicine.

Wang, W-L., **Li, J.**, Wang, S., Rothman, A.J., Intille, S.S., Dunton, G.F. (March 2024) Prevalence of Physical Activity Maintenance Across a 12-Month Study: Comparison of Accelerometer Indicators. Symposium to be presented at: The Annual Meeting Scientific Sessions of the Society of Behavioral Medicine, Philadelphia, PA, USA.

Prochnow, T., Wang, W-L., Wang, S., **Li, J.**, Intille, S., Hedeker, D., & Dunton, G. (May 20-23, 2024). Understanding ecological momentary assessment compliance in a 12- month multi-measurement burst sampling design in the TIME study. Accepted as an oral presentation at the 2024 International Society of Behavioral Nutrition and Physical Activity Meeting, Omaha, NE. **SIG award at the International Society of Behavioral Nutrition and Physical Activity (ISBNPA) 2024.**

Volz, S. C., Wang, S., **Li, J.**, Wang, W.L., Dunton, G. F., Intille, S. S., & Rothman, A. J. (2023, April) Affectively-charged motivations for physical activity and their relation to physical activity engagement. Poster presented at the 44th annual convention of the Society of Behavioral Medicine, Phoenix, AZ.

Wang, W.L., Shirlene Wang, Chih-Hsiang Yang, **Jixin Li**, Intille, S., Dunton, G. F. Associations of smartphone usage with average day level and day-to-day variability of mood in emerging adults. Poster presented at the 44th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine (April 26-29, 2023; Phoenix, AZ).

Crosley-Lyons, R., **Li, J.**, Wang. W-L., Wang, S., Huh, J., Bae., D., Intille, S., Dunton, G.F., (March 2023) Exploring within-person Circadian Rest-activity Cycle Rhythm Dynamics over Six Months: A Latent Transition Analysis. Poster presented at: The Annual Meeting Scientific Sessions of the Society of Behavioral Medicine, Philadelphia, PA, USA.

Volz, S., Wang, S., **Li, J.**, Wang. W-L., Dunton, G.F., Intille, S., Rothman, A.J. (March 2023) Effects of Affective Motivation and Deliberation on Subsequent Day-and Hour-Level Physical Activity Engagement. Poster presented at: The Annual Meeting Scientific Sessions of the Society of Behavioral Medicine, Philadelphia, PA, USA.

