Sijing (SJ) Shao

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EDUCATION

2024	Ph.D. in Quantitative Psychology University of Notre Dame, Department of Psychology Advisor: Zhiyong (Johnny) Zhang and Guangjian Zhang
2014	M.S. in Mathematics New York University, The Courant Institute of Mathematical Sciences
2012	B.S. in Statistics and Mathematics *magna cum laude* Iowa State University, College of Arts and Science

EMPLOYMENT HISTORY

2025 – Present	Assistant Professor, Department of Psychology Florida International University, Miami, FL
2024 – 2025	Postdoctoral Associate Center for Integrative Developmental Science Cornell University, Ithaca, NY Advisor: Dr. Anthony D. Ong
2014 – 2019	Data Analyst (promoted to Senior Data Analyst in 2016) Center for Addiction Services and Personalized Interventions Research, Northwell Health, Great Neck, NY

PUBLICATIONS

Peer Reviewed Manuscripts

2026 **Shao, S.**, & Ong, A. D. (2026). Seven challenges in affective inertia research. *Emotion*. https://doi.org/10.1037/emo0001630

2026 **Shao, S.**, Beck, E. D., Hawks, Z., Van Bogart, K., Graham, E. K., Ong, A. D. (2026). Loneliness modulates social threat detection in daily life. *Commun. Psychol.* 4:44. doi: 10.1038/s44271-026-00410-1

2025 **Shao, S.**, Xu, Z., Liu, Q., McClure, K., Jacobucci, R., Maxwell, S. E., Zhang, Z. (2025). Zero inflation in intensive longitudinal data: why is it important and how should we deal with it? *Psychological Methods.*

2025 **Shao, S.**, Xu, Z., Qu, W., Jacobucci, R. (2025). Sample Size Planning and Power Analysis for Detecting Cross-lagged Effects in Longitudinal Studies with Ordinal Outcomes. *Fudan Journal of the Humanities and Social Sciences. 18(4), 749-774.*

2023 **Shao, S.**, Canner, J., Everett, R. A., Bekele-Maxwell, K., Kuerbis, A., Stephenson, L., Menda, J., Morgenstern, J., & Banks, H.T. (2023) A Comparison of Mathematical and Statistical Modeling with Longitudinal Data: An Application to Ecological Momentary Assessment of Behavior Change in Individuals with Alcohol Use Disorder. *Bulletin of Mathematical Biology.*

2022 **Shao, S.** (2022) A Tutorial on Bayesian Analysis of Count Data Using JAGS. *Journal of Behavioral Data Science.*

Burke, T., **Shao, S.**, Jacobucci, R., Kautz, M., Alloy, L., Ammerman, B (2022). Examining momentary associations between behavioral approach system indices and nonsuicidal self-injury urges. *Journal of Affective Disorders.*

2021 Morgenstern, J., Kuerbis, A., **Shao, S.**, Padovano, H. T., Levak, S., Vadhan, N. P., & Lynch, K. G. (2021). An efficacy trial of adaptive interventions for alcohol use disorder. *Journal of Substance Abuse Treatment.*

2020 Kuerbis, A., **Shao, S.**, Treloar Padovano, H., Jadanova, A., Selva Kumar, D., Vitale, R., Nitzburg, G., Vadhan, N., & Morgenstern, J. (2020). Context and craving among problem drinkers attempting to moderate their drinking: Are all contexts created equal? *Experimental and clinical psychopharmacology.*

2019 Kuerbis, A., Lynch, K., **Shao, S.**, & Morgenstern, J. (2019). Examining Motivational Interviewing's effect on confidence and commitment using daily data. *Drug and Alcohol Dependence.*

2018 Kuerbis, A., Treloar Padovano, H., **Shao, S.**, Houser, J., Muench, F., & Morgenstern, J. (2018). Comparing daily drivers of problem drinking among older and younger adults: An electronic daily diary study using smartphones. *Drug and Alcohol Dependence, 183,* 240-246.

Kuerbis, A., Houser, J., Levak, S., **Shao, S.** & Morgenstern, J. (2018). Exploration of treatment matching to problem drinker characteristics with motivational interviewing and non-directive client centered psychotherapy for problem drinkers. *Journal of Substance Abuse Treatment*, *86*, 9-16.

2017 Banks, H.T., Bekele-Maxwell, K., Everett, R.A., Stephenson, L., **Shao, S.**, & Morgenstern, J. (2017). Dynamic modeling of problem drinkers undergoing

behavioral treatment. *Bulletin of Mathematical Biology*, *79*, e1254.

Bekele-Maxwell, K., Everett, R. A., **Shao, S.**, Kuerbis, A., Stephenson, L., Banks, H. T., & Morgenstern, J. (2017). Dynamical systems modeling to identify a cohort of problem drinkers with similar mechanisms of behavior change. *Journal for Person-Oriented Research*, *3*(2), 100-118.

Morgenstern, J., Kuerbis, A., Houser, J., **Shao, S.**, & McKay, J. (2017). Dismantling Motivational Interviewing: Effects on initiation of behavior change among problem drinkers seeking treatment. *Psychology of Addictive Behaviors*, *31*(7), 751-762.

Muench, F., van Stolk-Cooke, K., Kuerbis, A., Stadler, G., Baumel, A., **Shao, S.**, McKay, J., & Morgenstern, J. (2017). A randomized controlled pilot trial of different mobile messaging interventions for problem drinking. *PLOS One*, *12*(2): e0167900.

Kuerbis, A., Mereish, E., Hayes, M., Davis, C. M., **Shao, S.**, & Morgenstern, J. (2017). Testing cross-sectional and prospective mediators of internalized heterosexism on heavy drinking, alcohol problems, and psychological distress among heavy drinking men who have sex with men. *Journal of Studies on Alcohol and Drugs*, *78*(1), 113-123.

2016 Morgenstern, J., Kuerbis, A., Houser, J., Muench, F. J., **Shao, S.**, & Treloar Padovano, H. (2016). Within-person associations between daily motivation and self-efficacy and drinking among problem drinkers in treatment. *Psychology of Addictive Behaviors*, *30*(6), 630-638.

2015 Muench, F. M., Hayes, M., Kuerbis, A., & **Shao, S.** (2015). The independent relationship between trouble controlling Facebook use, time spent on the site and distress. *Journal of Behavioral Addictions*, *4*(3), 163-169.

PRESENTATIONS

2026 **Shao, S.**, Beck, E. D., Hawks, Z., Van Bogart, K., Graham, E. K., Ong, A. D. (2025, November). Does Loneliness Modulate Social Threat Detection in Daily Life? Talk presented in a symposium at GSA Annual Meeting, Boston, MA.

2025 **Shao, S.**, Kuerbis, A., Wilcox, K.T., Ong, A.D. (2025, May). Unlocking Drinking Patterns: Estimating Autoregressive Modeling for Intensive Longitudinal Count Data in Alcohol Research. Prevention, Seattle, WA.

2023 **Shao, S.**, Jacobucci, R. (2023, October). ZIP vs. Hurdle: Tackling Zero Inflation in Ecological Momentary Assessment Research. Accepted. Society of Multivariate Experimental Psychology, Iowa City, IA.

Shao, S., Xu, Z., McClure, K., Zhang, Z. (2023, July). Zero inflation in longitudinal data: why is it important and how should we deal with it? Presented at the International Meeting of the Psychometric Society, College Park, MD.

Shao, S., Xu, Z., Jacobucci, R. (2023, July). Sample Planning for Detecting Cross-lag effect in Longitudinal Studies with Ordinal Outcomes. Presented at the International Meeting of the Psychometric Society, College Park, MD.

Shao, S., Hoegler, S., Xu, Z. (2023, July). When does an intervention start to be effective? A time-specific indirect effect approach to intervention evaluations. Accepted as oral presentation at the International Meeting of the Psychometric Society, College Park, MD.

Carney, J. R., Miller-Graff, L. E., & **Shao, S.** (2023, November). Social determinants of posttraumatic stress in pregnant women experiencing partner violence in Peru. In S. F. Stein (Chair) Social Determinant of Health in Intimate Partner Violence Victimization. Symposium submitted to the International Society for Traumatic Stress Studies 39th Annual Meeting, Los Angeles, CA.

Ammerman, B.A., **Shao, S.**, & Jacobucci, R. (2023, March). *Daily smartphone use and suicidal ideation: A means for social connection.* In B.A. Ammerman (Chair), *Utilizing intensive data collection methodologies to examine the near-term relationship between smartphone use and suicide risk.* Symposium submitted to the 57th Annual Convention for the Association for Behavioral and Cognitive Therapies, Seattle, WA

2022 **Shao, S.**, Jacobucci, R., (2022, July). Examining the Power for Longitudinal Models with Ordinal Outcomes. Accepted as oral presentation at the International Meeting of the Psychometric Society, Bologna, Italy.

2021 **Shao, S.**, Jacobucci, A., (2021, July). Dynamic Poisson Factor Analysis: A Hierarchical Bayesian Approach with Intensive Text Data. Invited symposium at the International Meeting of the Psychometric Society. Won the best student presentation award sponsored by Duolingo. Remote Conference.

2018 **Shao, S.**, Kuerbis, A., & Morgenstern, J. (2018, June). Examining factors associated with missing data in ecological momentary assessment with alcohol treatment studies. Poster presentation at the Annual Conference for the Research Society on Alcoholism, San Diego, CA.

Shao, S., Kuerbis, A., & Morgenstern, J. (2018, June). Examining factors associated with missing data in ecological momentary assessment with alcohol treatment studies. Poster presentation at the Annual Conference for the Association for Psychological Science, San Francisco, CA.

2016 Banks, H.T., Bekele-Maxwell, K., Everett, R.A., **Shao, S.**, & Morgenstern, J. (2016,

August). Dynamic Modeling of Problem Drinkers Undergoing Behavioral Treatment. Presented at the Dynamic Systems Modeling Expert Meeting at European Health Psychology and British Psychological Society Division of Health Psychology Conference, King's College, Aberdeen, Scotland.

2012 Garcia, X., Kunze, J., Rudelius, T., Sanchez, A., **Shao, S.**, Eperanza, E, & Vidden, C. (2012, January). Invariant Measures for Hybrid Stochastic Systems, Poster presented at the Joint Mathematics Meetings Undergraduate Poster Session, Boston, MA.

Ayers, K., Garcia, X., Kunze, J., Rudelius, T., Sanchez, A., **Shao, S.**, & Eperanza, E. (2012, January). Limit and Morse Sets for Deterministic Hybrid Systems. Poster presented at the Joint Mathematics Meetings Undergraduate Poster Session, Boston, MA.

TEACHING

PSY 5939 Longitudinal Data Analysis Fall 2025, Fall 2026

SERVICES AND COMMUNITY OUTREACH

Aug. 2021—Aug. 2022	**Graduate Advisory Committee.** *University of Notre Dame*
Aug. 2020—Aug. 2021	**Diversity, Equity, and Inclusion Committee.** *University of Notre Dame*
June—July 2012	**Chinese Translator and Class Coordinator.** *Day Break Asia*
May 2012	**Educare Volunteer.** *AVIVA in South Africa*
Sept. 2008—Feb. 2009	**Student Fund Raiser.** *Iowa State University*

HONORS AND SCHOLARSHIPS

2023	Student Travel Award at Society of Multivariate Experimental Psychology.
2022	Outstanding Graduate Student Teaching Award.
2021	Duolingo Award for the best student presentation at International Meeting of the Psychometric Society.
2010	Dio Holl Award.

2010 International Student Scholarship.