

XIAORAN SUN

E-mail: sunx0521@umn.edu | Website: <https://xiaoransun.github.io/>

ACADEMIC POSITIONS

- 1/2022 Assistant Professor, Department of Family Social Science, College of Education and Health Development, University of Minnesota
09/2019 – 12/2021 Postdoctoral Scholar, Departments of Pediatrics & Communication, Stanford University
01/2020 – 12/2021 Postdoctoral Scholar, Stanford Data Science

EDUCATION

- 08/2019 Ph.D., Human Development and Family Studies, the Pennsylvania State University
Graduate Minor in Social Data Analytics
12/2016 M.S., Human Development and Family Studies, the Pennsylvania State University
07/2015 B.S., Psychology, Zhejiang University, Hangzhou, China

HONORS AND AWARDS

- 2021 – 2022 Microsoft Azure Computing Award, Stanford Data Science
2020 – 2021 Scholarship, Stanford Data Science Scholars Program
2017 – 2018 Traineeship, Integrative Graduate Education and Research Training – Big Data Social Science (BDSS-IGERT) Training Program, National Science Foundation (Grant DGE-1144860)
2015 – 2016 University Graduate Fellowship, The Pennsylvania State University
2015 – 2019 Morningside Cultural China Scholarship for Alumni Studying Abroad, Zhejiang University
2014 Li & Fung Scholarship, University of Hong Kong
2013 Outstanding Undergraduate Scholarship (First-class), Zhejiang University
2012 National Academic Scholarship, Ministry of Education of P. R. China

RESEARCH GRANT

- 01/2021–12/2021 **Postdoctoral Support Grant**, Maternal and Child Health Research Institute, School of Medicine, Stanford University
PI: Xiaoran Sun, Ph.D.
Title: “Examining implications of parent-adolescent digital communication for their relationship quality and adolescent mental health” (The Family Screenome Project)
Amount: \$80,000 (\$40,000 received due to other awards)

RESEARCH INTERESTS

Family systems processes across sociocultural contexts; Families, adolescents, and technology;
Adolescent and young adult development towards achievement;
Innovative statistical and computational methods for studying family and youth development

SCHOLARLY PUBLICATIONS

Manuscripts Published

13. Sun, X.,* Updegraff, K. A.,* McHale, S. M., Hochgraf, A. K., Gallagher, A. M., & Umaña-Taylor, A. J. Implications of COVID-19 school closures for sibling dynamics among Latinx children in the U.S.: A prospective, daily diary study. *Developmental Psychology*, 57, 1708-1718. (*Equal contributions) (Media mentions: [Penn State News](#))
12. Sun, X., McHale, S. M., Updegraff, K. A., & Umaña-Taylor, A. J. Implications of Mexican-origin youth’s work experiences for relationships with fathers. *Cultural Diversity and Ethnic Minority Psychology*, 27, 796-807
11. Skinner, O. D., Sun, X., & McHale, S. M. (2021). Links between marital and parent–child relationship in African American families: A dyadic approach. *Journal of Family Psychology*, 35, 1086-1096.

10. Sun, X., McHale, S. M., & Updegraff, K. A. (2020). Career adaptivity mediates longitudinal links between parent-adolescent relationships and young adult occupational attainment. *Developmental Psychology*, *56*, 2309-2321
9. Sun, X., Ram, N., & McHale, S. M. (2020). Adolescent family experiences predict young adult educational attainment: A data-based cross-study synthesis with machine learning. *Journal of Child and Family Studies*, *29*. 2770-2785.
8. Sun, X., McHale, S. M., & Crouter, A. C. (2020). Perceived underemployment and couple relationships among African American parents: A dyadic approach. *Cultural Diversity and Ethnic Minority Psychology*, *26*, 82-92. (Media mentions: [APA spotlight](#), [Penn State News](#))
7. Skinner, O. D., Sun, X., & McHale, S. M. (2020). Longitudinal links between expressivity and African American parent-adolescent relationships: A dyadic approach. *Journal of Child and Family Studies*, *29*, 442-454.
6. Jenkins, A. I. C., Fredman, S. J., Le, Y., Sun, X., Brick, T. R., Skinner, O. D., & McHale, S. M. (2020). Prospective associations between depressive symptoms and marital satisfaction in Black couples. *Journal of Family Psychology*, *34*, 12-23.
5. Sun, X., McHale, S. M., & Updegraff, K. A. (2019). Sibling experiences in middle childhood predict sibling differences in college graduation. *Child Development*, *90*, 25-34. (Media mentions: [NICHD](#), [ScienceDaily](#), [Penn State News](#), [The University Network](#), [MedicalResearch](#), [知识分子](#))
4. Sun, X., McHale, S. M., & Updegraff, K. A. (2019). Sibling dynamics in adolescence predict young adult orientations to couple relationships: A dyadic approach. *Journal of Adolescence*, *77*, 129-138.
3. Lawson, K. M., Sun, X., & McHale, S. M. (2019). Family-friendly for her, longer hours for him: Actor-partner model linking work-family environment to work-family interference. *Journal of Family Psychology*, *33*, 444-452.
2. Sun, X., McHale, S. M., Crouter, A. C., & Jones, D. E. (2017). Longitudinal links between work experiences and marital satisfaction in African American dual-earner couples. *Journal of Family Psychology*, *31* (Special Issue: *Advances in Methods and Measurement in Family Psychology*), 1029-1039.
1. Sun, X., McHale, S. M., & Updegraff, K. A. (2017). Maternal and paternal resources across childhood and adolescence as predictors of young adult achievement. *Journal of Vocational Behavior*, *100*, 111-123.

Chapter Published

- Sun, X.* & McMillan, C.* (2018). The interplay between families and technology: Directions for future investigation. In J. Van Hook, S. McHale, & V. King (Eds). *Families and technology*, New York: Springer. (*Equal contributions)

Manuscripts Under Review

- Sun, X., Haydel, F., Matheson, D., Desai, M., & Robinson, T. N. *Mobile phone acquisition age and ownership among low-income Latinx children: Links to well-being.*
- Sun, X., Ram, N., Reeves, B., Cho, M. J., Fitzgerald, A., Yang, X., & Robinson, T. N., *Dynamic characteristics of young adults' smartphone interactions with parents: Observing screenomes at multiple timescales.*
- Padilla, J., Sun, X., McHale, S. M., & Updegraff, K. A. *Longitudinal links between adolescent siblings' gender-typed characteristics and sibling relationship quality: A dyadic approach.*

PRESENTATIONS AT SCHOLARLY MEETINGS

Conference Symposia & Workshops

- Sun, X. (2020, November). *Family Dynamics in the Digital World: Qualitative and Quantitative Analyses of Data From Interviews, Social Media, and Smartphones*. Symposium chaired at the National Council on Family Relations, virtual conference.
- Sun, X. (2020, November). *Introduction to Machine Learning for Family Research: Basic Concepts, Common Algorithms, and Application Examples*. Workshop chaired at the National Council on Family Relations, virtual conference. (137 registered attendees)

- Sun, X.** (2019, November). *How Families Help Youth to Flourish: The Role of Family Dynamics in Adolescent and Young Adult Positive Well-Being*. Symposium chaired at the National Council on Family Relations, Fort Worth, TX.
- Sun, X.** (2019, March). *Leveraging Machine Learning Methods for Research on Child Development in the Big Data Era*. Symposium chaired at the Biennial Meeting of Society for Research in Child Development, Baltimore, MD.
- Sun, X.** (2018, June). *Sociocultural Contexts of the Work-Family Interface: A Call to Identify Resiliency Factors*. Symposium chaired at the Biennial Meeting of Work and Family Researchers Network, Washington, D.C.
- Sun, X.** (2018, April). *The Role of Family in Adolescent and Young Adult Romantic and Sexual Relationships: A Call for Systems Research*. Symposium chaired at the Biennial Meeting of Society for Research on Adolescence, Minneapolis, MN

Paper Presentations

- Sun, X.** & Wang, Y. (2021, November). *Typology of research on families and technology: A systematic review*. Paper presented at the TCRM conference at the National Council on Family Relations, virtual conference.
- Sun, X.**, Updegraff, K. A., McHale, S. M., Hochgraf, A. K., Gallagher, A. M., & Umaña-Taylor, A. J. (2021, April). *Implications of COVID-19 school closures for sibling dynamics among Latinx children: A daily diary study*. Paper presented at the 2021 SRCD Virtual Biennial Meeting.
- Sun, X.**, Reeves, B., Ram, N., Cho, M. J., Fitzgerald, A., & Robinson, T. N. (2020, November). *Pulling closer or pushing away? Ambivalence in the dynamics between young adults and parents in the digital context*. Paper presented at the National Council on Family Relations, virtual conference.
- Sun, X.**, Robinson, T. N., Ram, N., Reeves, B., Cho, M. J., Chiatti, A., Lee, J., Roehrick, K., Yang, X., & Fitzgerald, A. (2020, July). *Parent-young adult communication in the digital world: A Screenomics paradigm*. Paper presented at 6th International Conference on Computational Social Science (IC2S2), virtual conference.
- Sun, X.**, McHale, S. M., & Updegraff, K. A. (2019, November). *Career adaptivity mediates longitudinal links between parent-adolescent relationships and young adult occupational attainment*. Paper presented at the National Council on Family Relations, Fort Worth, TX.
- Sun, X.**, McHale, S. M., Updegraff, K. A., & Umaña-Taylor, A. J. (2019, November). *Implications of Mexican-origin youth's work experiences for relationships with fathers*. Paper presented at the National Council on Family Relations, Fort Worth, TX.
- Sun, X.**, & Ram, N. (2019, March). *Family experiences in adolescence predict young adult educational attainment: A machine learning approach*. Paper presented at Biennial Meeting of Society for Research in Child Development, Baltimore, MD.
- Sun, X.**, Chi, G., Yin, J., & McHale, S. M. (2018, October). *Sibling interactions and shared interests on Twitter: Analyses of a selected sibling sample based on archived Twitter data*. Paper presented at SRCD Special Topics: Conference on the Use of Secondary and Open Source Data in Developmental Science, Phoenix, AZ.
- Sun, X.**, McHale, S. M., & Crouter, A. C. (2018, June). *Perceived underemployment among African American spouses: Implications for couple relationships*. Paper presented at the Biennial Meeting of Work and Family Researchers Network, Washington, D.C.
- Lawson, K. M., **Sun, X.**, & McHale, S. M. (2018, June). *The associations between wives' and husbands' work-family environment and work-family spillover: Actor-Partner Interdependence Models*. Paper presented at the Biennial Meeting of Work and Family Researchers Network, Washington, D.C.
- Sun, X.**, & McHale, S. M. (2018, April). *Sibling dynamics in adolescence predict young adult orientations to couple relationships: A dyadic approach*. Paper presented at the Biennial Meeting of Society for Research on Adolescence, Minneapolis, MN
- Sun, X.**, McHale, S. M., Crouter, A. C., & Jones, D. E. (2017, November). *Longitudinal links between work experiences and marital satisfaction among African American dual-earner couples*. Paper presented at the National Council on Family Relations. Orlando, FL.

- Sun, X., McHale, S. M., & Updegraff, K. A. (2017, November). *Early parental resources predict young adult achievement*. Paper presented at the National Council on Family Relations. Orlando, FL.
- Padilla, J. & Sun, X. (2017, November). *Links between siblings' gender-typed characteristics and sibling relationship qualities*. Paper presented at the National Council on Family Relations. Orlando, FL.
- Sun, X., McHale, S. M., Updegraff, K. A., & Umaña-Taylor, A. J. (2017, May). *Sleep duration predicts time spent on homework among Mexican American adolescents: A daily diary study*. Paper presented at the Pennsylvania State University Mini-Conference on Multivariate/Longitudinal Methods. University Park, PA.

Poster Presentations

- Sun, X., LeBouef, S., & Dworkin, J. (2021, November). *It's how you talk about it: Linguistic correlates of family dynamics from young adults' interviews*. Poster presented at the National Council on Family Relations, virtual conference
- Sun, X., Haydel, K. F., Matheson, D., Desai, M., & Robinson, T. N. (2021, April). *Prospective study of mobile phone acquisition and ownership and well-being among Latinx children*. Poster presented at the 2021 SRCD Virtual Biennial Meeting.
- Sun, X., McHale, S. M., Updegraff, K. A., & Umaña-Taylor, A. J. (2018, April). *Time spent on homework among Mexican American adolescents: Contextual correlates and implications for achievement*. Poster presented at the Biennial Meeting of Society for Research on Adolescence, Minneapolis, MN
- Sun, X., McHale, S. M., & Updegraff, K. A. (2017, April). *Sibling experiences in middle childhood: Implications for sibling differences in college graduation*. Poster presented at the Biennial Meeting of Society for Research in Child Development, Austin, TX.
- Mayfield, K., Sun, X., & McHale, S. M. (2016, October). *Correlates of fathers' and mothers' coparenting in African American families*. Poster presented at the special topics meeting, Babies, Boys, and Men of Color, Society for Research in Child Development, Tampa, FL.
- Sun, X., Kim, J. J., Fung, J. J., Park, H. & Lau, A. S. (2014, September). *Mothers' and children's implicit theories of intelligence: Implications for child mental health in Hong Kong families*. Poster presented at the Symposium for UCLA Cross-disciplinary Scholars for Science and Technology, Los Angeles, CA.

TEACHING EXPERIENCE

University of Minnesota, Department of Family Social Science

Instructor

- Spring 2022 FSOS 5015: Family Research Laboratory
FSOS 3105: Technology in Parenting and Family Relationships

The Pennsylvania State University, Department of Human Development and Family Studies

Instructor

- Summer 2019 HDFS 129: Introduction to Human Development and Family Studies

Guest Lecturer

- Spring 2017 HDFS 433: Developmental Transition to Adulthood
"Family as a context of young adult career development"

Teaching Assistant

- Spring 2019 HDFS 129: Introduction to Human Development and Family Studies
Spring 2017 HDFS 249: Adult Development and Aging

SKILLS

- Proficient in R, Python, SAS, Linux, SPSS, and Mplus
Proficient in machine learning methods, structural equation modeling, multilevel modeling, and mixture models
Proficient with web scraping, text analysis, image processing

OTHER ACADEMIC EXPERIENCE

- 2022 Consulting Editor, *Cultural Diversity and Ethnic Minority Psychology*
Ad Hoc Reviewer, *Developmental Psychology*
- 2021 Consulting Editor, *Cultural Diversity and Ethnic Minority Psychology*
Ad Hoc Reviewer, *Journal of Family Psychology*, *Chinese Sociological Review*, *Frontiers in Psychology*,
International Journal of Psychology, *Youth & Society*, *Journal of Social and Personal Relationships*
Committee Member, *Reuben Hill Award*, *National Council on Family Relations*
Panel Reviewer, *Society of Research on Adolescence*
- 2020 Ad Hoc Reviewer, *Journal of Adolescence*, *Youth & Society*, *Personal Relationships*, *Applied Psychology: An International Review*, *Community, Work and Family*
Panel Reviewer, *Society of Research on Adolescence*, *National Council on Family Relations*, *Society for Research on Child Development*
- 2019 Ad Hoc Reviewer, *Journal of Child and Family Studies*, *Developmental Psychology*, *Journal of Family Studies*
Panel Reviewer, *National Council on Family Relations*
Co-reviewer, with Susan M. McHale, Ph.D., *Journal of Family Psychology*
- 2017 Ad Hoc Reviewer, *Journal of Family Psychology*
Co-reviewer, with Susan M. McHale, Ph.D., *Journal of Marriage and Family*

NON-ACADEMIC PUBLICATIONS AND TALKS

- Sun, X. (2020, September). Sexual objectification of women: Are “compliments” on the body harmless? [in Chinese; 女性物化：“你的身材真好”，是一种无害的夸奖吗？] *Ms. Muses, WeChat*, 3282 views.
- Sun, X. (2020, February). “Why is he not texting me back?” How smartphones influence intimate relationships. [in Chinese; “他为什么总不回我信息？”手机如何影响亲密关系] *Ms. Muses, WeChat*, 2593 views.
- Sun, X. (2018, December). Growing up in the same family, why siblings can become so different? [in Chinese; “同一屋檐下，兄弟姐妹为何成为不同的人”] *Ms. Muses, WeChat*, 2178 views.
- Sun, X. (2017, December). “How to improve your children’s academic performances? Perspectives from developmental psychology.” [in Chinese] Invited online parenting workshop by UltraBear Education, Inc., 3031 views.
- Padilla, J., & Sun, X. (2017, April). “Sibling Relationships in Childhood and Adolescence” The 93rd Annual Pennsylvania Association of Family and Consumer Sciences (PAFCS) Conference, State College, PA.
- Sun, X. (2017, February). Is a “Churning” Relationship True Love? [in Chinese; “分分合合”的感情才是真爱吗？] *Ms. Muses, WeChat*. 2916 views.

COMMUNITY SERVICE

The Pennsylvania State University, Department of Human Development and Family Studies

08/2018 – 05/2019 **Graduate Student Representative to Faculty Meetings**

Attend the department’s monthly faculty meetings

08/2017 – 05/2018 **Student Advisor**

Coordinate the student buddy program for first-year graduate students

Compile a handbook for international students’ transition into graduate school

Organize student panel meetings for the graduate program’s milestones