

XIAYU SUMMER CHEN

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EDUCATION

University of Illinois Urbana-Champaign <i>Ph.D. in Social Work, School of Social Work</i>	08. 2021 - Present <i>Illinois, U.S.</i>
New York University <i>Master in Social Work, Silver School of Social Work</i>	2017 - 2019 <i>New York, U.S.</i>
Tsinghua University <i>Bachelor in Psychology, School of Social Science</i> <i>Bachelor in Business Management, School of Economics and Management</i>	2013 - 2017 <i>Beijing, China</i>

RESEARCH INTEREST AND FOCUS AREA

Aging in Place, Digital Technology Use, Digital and AI-Based Intervention, Social Determinants of Health and Mental Health, Health disparity among aging immigrants and racial/ethnic minorities, International Social Work, Computational Social Science Method

PUBLISHED JOURNAL ARTICLES

- 8 . de Oliveira, G. B., Fernandes, L. V., **Chen X.S.**, Andrade, F., Costa, L. S., Vasques, A. C. J., & Corona, L. P. (2024) Intra- and inter-rater Reliability of Muscle and Fat Thickness Measurements Obtained Using Portable Ultrasonography in Older Adults. *Clinical Nutrition ESPEN*
- 7 . **Chen X.S.** & Wang, K. (2023). Gender Disparities in Telehealth Use among Older Adults in the United States during COVID-19. *International Journal of Population Studies* (Accepted)
- 6 . Sun, K., **Chen X.S.**, Muzhylko. T., & Andrade F. (2023) Doctors' recommendations and healthy lifestyle behaviors among adults with hypertension in Brazil. *Preventive Medicine Report*, 102315.
- 5 . Tan, K. & **Chen X.S.** (2023). Keeping Up with Technology: Socioemotional and Equity Challenges with Children and Schools. *Children & School*, 45(3), 127-130.
- 4 . **Chen X.S.**, Xu, Q., Hu, Y., & Xie, Y. (2022). Aging in Chinatowns: The Meaning of Place and Aging Experience for Older Immigrants. *Journal of Cross-Cultural Gerontology*, 37(4), 375–391.
- 3 . **Chen X.S.** & Andrade, F. (2022). A Biopsychosocial Examination of Chronic Back Pain, Limitations on Usual Activities, and Treatment in Brazil, 2019. *PloS one*, 17(6), e0269627.
- 2 . Wang, K., Marbut, A. R., Suntai, Z., Zheng, D., & **Chen X.** (2022). Patterns in Older Adults' Perceived Chronic Stressor Types and Cognitive Functioning Trajectories: Are Perceived Chronic Stressors Always Bad? *Social Science & Medicine*, 115297.
- 1 . Wang, K., Cheatham, L., Marbut, A. R., & **Chen X.** (2021). Longitudinal Associations between Cancer History and Cognitive Functioning among Older Adults. *Archives of Gerontology and Geriatrics*, 97, 104521.

Research & Technical Reports

1. **Chen X.S.**, Zhan, Y., Huang C., & Xu Q. *Navigating the Digital Divide Gap among the Older Community Dwellers in Shanghai: Recommendation for Community Workers*

MANUSCRIPTS UNDER REVIEW

10. Sun, F., Jiang, L., **Chen X.S.** & Feng, Y. *Assisting Dementia Family Caregivers with Interactive AI Technology: Exploring Unmet Needs and Current Evidence of Implementation.*
9. **Chen X.S.** & Feng, Y. *Exploring Three Approaches of Literature Search in Systematic Review: A Comparative Case Study on Human Librarian, ChatGPT-4, and ChatGPT-4 Turbo*
8. **Chen X.S.**, Zhan, Y. & Xu Q. *The Digital Displacement on Everyday Activities and Effect on Loneliness among Chinese Older Adults*
7. Wang, K., **Chen X.S.**, Dong, Y., Véaz. K. G. S. & Gu D. *Narrowing the Digital Gap among Hispanic older adults in the U.S: An Intersectionality perspective*
6. **Chen X.S.** & Sun. K. *Implementation of WeChat for Public Health and Mental Health Intervention: A Scoping Review of RCT Research Protocol*
5. **Chen X.S.**, Andrade, F. & Lima-Costa F. M. *Living Arrangement, Met and Unmet Needs for Older Adults With Disabilities in Brazil*
4. Wang, K., **Chen X.S.**, Gu D., Smith, D. B., Dong Y. & Peet J.Z. *A Trend Study of the Second-Level Digital Divide in the 2010s among Older Community Dwellers in the United States: A Critical Race Perspective*
3. Wang, K., **Chen X.S.**, Smith, D. B. & Gu D. *Older Adults' Online Activities and Cognition: Investigating the Psychological Mechanisms and Age and Gender Differences*
2. Wang, K., **Chen X.S.**, Zeng X., Daquin, J., Wu B., Liu J. & Li C. *Cognitive Trajectories among Racial/ethnic Minority Older Adults in the United States: Applying the Social and Behavioral Determinants of Health framework*
1. Fernandes, L., Oliveira, G., Ripka, W., **Chen X.S.**, Andrade, F., Vasques, A. & Corona, L. *The Use of Portable A-Mode Ultrasound in Appendicular Skeletal Muscle Mass Measurements among Older Adults: A Comparison Study with Dual-Energy X-Ray Absorptiometry and Handgrip Strength*

WORKING MANUSCRIPTS

8. **Chen X.S.** *Digital Interventions for Depression among Older Adults: A Comprehensive Review of the Design, User Experience, and Effectiveness*
7. **Chen X.S.**, Rodriguez T., & Andrade, F. *Digital Rural-Urban Disparities in Health Among Brazilian Older Adults: The Moderating Role of Internet Use*
6. **Chen X.S.**, Zhan, Y. & Xu Q. *The Role of Community-Based Organizations in Navigating Digital Disparity among Older Adults: A Mix-method Study*
5. **Chen X.S.** & Kang, S. *What Are We Caring for Our Rural Older Adults? Bibliometric and Visual Analysis of the 22 years in Chinese Rural Older Adults and Mental Health Research*
4. **Chen X.S.**, Andrade, F., Farina M., & Wang, K. *Internet Use among Brazilians Adults in Late Life: Determinants of Usage and Impacts on Cognitive Performance*
3. **Chen X.S.**, Wen W. & Wang, K. *Bidirectional Associations between Internet Use and Cognitive Performance Moderated by Living Arrangements: Evidence from the Chinese Aging Population*

2. Wen W., **Chen X.S.** & Wang, K. *Reciprocal Associations between Internet Use and Well-being among Chinese Older Adults*

1. Feng, Y. & **Chen X.S.** *Using Patrons' Mental Models of ChatGPT to Inform the Transformation of Librarianship and Library Services*

AD HOC PEER-REVIEW JOURNAL REVIEWER

Innovation in Aging

The International Journal of Aging and Human Development

CONFERENCE PRESENTATIONS

16. **Chen X.S.** (2024, April) Trends in Studying the Mental Health of Chinese Rural Old People: The Past and the Future [Oral Presentation]. The First Graduate Symposium on Asian Studies at Urbana Champaign

15. **Chen X.S.** (2024, April). Telehealth Use among U.S. Older Adults during pandemic: A gender Comparison [Poster Accepted]. 2024 Social Work & Social Development Conference

14. **Chen X.S.**, Shraddha S., Mois G., Lydon L., Mudar R., & Rogers W. (2024, March). Enabling Home and Community-Based Organizations to Provide Support Services through Video Conferencing Platform [Poster Presentation]. 2024 International Symposium on Human Factors and Ergonomics Health Care

13. **Chen X.S.**, Wang, K., Smith, D. B. (2023, November). Has the Racial/Ethnic Digital Divide Among Older Community Dwellers Deepened or Improved in the 2010s? [Poster Presentation]. 2023 Gerontology Society of America's Annual Scientific Meeting

12. Andrade, F. C. D., **Chen X.S.** (2023, April). Needs and Care of Older Adults With Disabilities in Brazil, 2019-21 [Oral Presentation]. 2023 Population Association of America's annual meeting

11. Andrade, F. C. D., Sun K., **Chen X.S.**, Muzhylko. T. (2023, April). Doctors' Recommendations and Healthy Lifestyle Behaviors among Adults with Hypertension in Brazil [Oral Presentation]. 2023 Population Association of America's annual meeting

10. **Chen X.S.** & Sun K. (2023, January) *New Trends in Studying the Mental Health of Chinese Rural Old Adults: Tracing 22 Years of Research with a Bibliometric Analysis.* [Poster presentation]. 2023 Society For Social Work & Research Annual Conference

9 . Andrade, F. C. D., & **Chen X.S.** (2023, January) *Caregiving for Adults in Aging Brazil: Findings from the Latest National Study.* [Poster presentation]. 2023 Society For Social Work & Research Annual Conference

8 . **Chen X.S.**, Evans J., Mwima S., Watkins D., & Okumu M. (2023, January) *Digital Technology Use among Older Adults in the U.S.: What Has Changed Since the COVID-19 Outbreak?.* [Poster presentation]. 2023 Society For Social Work & Research Annual Conference

7 . Andrade, F. C. D., & **Chen X.S.** (2022, November) *Unmet Needs among Adults and Older Adults in Brazil, ELSI-2019.* [Oral Presentation]. Gerontology Society of America's Annual Scientific Meeting

6 . Andrade, F. C. D., & **Chen X.S.** (2022, November) *Chronic Back Pain, Limitations on Usual Activities, and Treatment among Older Brazilians.* [Poster presentation]. Gerontology Society of America's Annual Scientific Meeting

- 5 . Fernandes, L., Oliveira, G., Vasques, A., Andrade, F., **Chen X.S.**, & Corona,L. (2022, November) *Ultrasound Muscle Thickness as an Easy Method to Assess Lean Mass and Grip Strength in Older Adults*. [Poster presentation]. Gerontology Society of America's Annual Scientific Meeting
- 4 . Andrade, F. C. D.,**Chen X.S.** (2022, October). A Biopsychosocial Examination of Chronic Back Pain, Limitations on Usual Activities and Treatment in Brazil, 2019. [Oral Presentation]. Virtual VI Portuguese Conference of Demography. Lisbon, Portugal.
- 3 . Andrade, F. C. D., **Chen X.S.** (2022, October). Disability Met Needs for Older Adults in Brazil, ELSI-2019. [Oral Presentation]. Virtual VI Portuguese Conference of Demography. Lisbon, Portugal.
- 2 . Wang, K., Suntai, Z., & **Chen X.** (2021, November). Chronic Stress Patterns among Older Adults and Associations With Cognitive Functioning. [Poster presentation]. Gerontology Society of America's Annual Scientific Meeting
- 1 . Wang, K., Suntai, Z., & **Chen X.** (2021, November). Internet Use and Cognitive Functioning at the Interaction of Age and Gender among Older Adults. [Poster presentation]. Gerontology Society of America's Annual Scientific Meeting

Invited Talk

- 4 . **Chen X.S.** (2023, July). Heart to Heart: How to Start End of Life Conversations. UIUC Asian American Cultural Center Food for Thought Event
- 3 . **Chen X.S.** (2023, April). An Overview of Linear Growth Models in Longitudinal Research. Frontier Research Methods Series from Emerging International Scholars hosted by South China University of Technology and NYU Shanghai
- 2 . **Chen X.S.** (2022, November). Care and Needs among Older Adults in Brazil. Graduate Forum at Lemann Center for Brazilian Study
- 1 . **Chen X.S.** (2020, October). Oncology Social Work Service System in the United States. Developing the Chinese Medical Social Work System Symposium, Renmin University, China.

RESEARCH EXPERIENCE

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| <p>Understanding Older Shanghainese's Digital Experiences
 <i>CO-PI with Dr. Qingwen, Xu</i></p> <ul style="list-style-type: none"> - Participated in IRB preparation, research design, implementation, and manuscript writing - Drafted focus group interview scripts, conducted two focus groups with older community dwellers, coded and interpreted data | <p>05. 2023 - present
 <i>Shanghai, China</i></p> |
| <p>The Human Factors and Aging Laboratory
 <i>Graduate Researcher, Lab director: Dr. Wendy A. Rogers</i></p> <p>Project [1] Enhancing Quality of Life for Older Adults with and without MCI through Social Engagement over Video Technology [R44 AG059450] National Institute on Aging Phase II Small Business Innovation Research Grant. Dillon Myers, PI for Potluck, LLC and Wendy A. Rogers, PI for University of Illinois; Raksha Mudar CO-PI for University of Illinois</p> <ul style="list-style-type: none"> - Conducted comprehensive need assessments with community partners in using video technology platform to enhance the quality of life and social engagement for older adults with cognitive impairment, provided tech support for Randomized Control Trails, and participated in qualitative data coding and analysis. | <p>06. 2022 - Present
 <i>Illinois, U.S.</i></p> |

Project [2] Video Technology-based Social Engagement Intervention for Family Care Partners of Persons with Dementia RRF Foundation for Aging Research Grant. Raksha A. Mudar, Minakshi Raj, and Wendy A. Rogers CO-PI for University of Illinois

- Delivered assessment for Randomized Control Trails and actively engaged with the intervention process.

Project [3] Meta-Analyses of mHealth Applications for Older Adults: Technology Enhancing Health Maintenance and Well-Being CREATE Pilot Grant, Renato F. L. Azevedo PI for University of Illinois - Prepared systematic review protocol and participated in the review process

The Brazilian Longitudinal Study of Aging (ELSI) 08. 2021 - Present
Graduate Research Assistant, Advisor: Dr. Flavia Andrade Illinois, U.S.

- Conducted quantitative research projects regarding health disparity topics in pain, life expectancy, caregiving and disabilities using nationally representative data among the Brazilian older population
- Complied literature review, data analysis, result interpretations, and manuscripts writing

Community Resilience at the Chinese Immigrant Community 07. 2019 - 09. 2020
Assistant Research Scientist, PI: Dr. Qingwen, Xu NY, U.S.

- Participated in qualitative research design and implementation
- Recruited participants and conducted bilingual interviews
- Transcribed, coded and interpreted data to understand the immigrant aging experience

Behavior Health among Unsheltered Homelessness 09. 2018 - 04. 2019
Researcher, NYC Department of Homeless Service NY, U.S.

- Complied literature reviews and implemented research protocols
- Recruited and conducted interviews with 20 providers, transcribed verbal materials

Parental Style and Children's Well-Being in Migrant Family 08. 2018 - 12. 2018
Independent Research Study, Advisor: Dr. Wen-jui, Han NY, U.S.

- Conducted quantitative research study including literature reviews, data analysis, and manuscript writing in better understanding the children's psychological outcome among migrant families in Shanghai, China

NGOs and Chinese Official Development Assistance policy 07. 2016 - 10. 2016
Research Assistant, PI: Dr. Guosheng, Deng Beijing, China

- Conducted interviews with the officers from the UK embassy and JICA; Complied literature reviews and cross-nation reports on the policy of ODA and NGO management among US, UK, Germany and Japan

PROFESSIONAL EXPERIENCE

NIA-funded Conference Series on Aging in the Americas 09.2021 - current
Assistant Coordinator & Independent Consultant U.S.

- Prepared program materials and presentation for the 2022 conference series in Chicago; provided continuous conference planning support

Lemann Center for Brazilian Study 01.2024 - current
Graduate Assistant U.S.

- Provided campus-wide social media and outreach program coordination

Coalition of Asian-American IPA/ Maimonides Cancer Center 08. 2019 - 06. 2021
Full-time Medical Social Worker NY, U.S.

- Provided supportive service navigation, care management, and individual counseling for cancer patients and families

- Led the bi-monthly Chinese cancer patient support group; connected community resources to patients

New York University, Silver School of Social Work 04 - 05. 2019 & 06 - 08. 2018
Summer Program Assistant NY, U.S.

- Coordinated the annual Sino-American International Summer Social Work Training Programs among social service agencies and academic institutes.

NYC Department of Homeless Service 09. 2018 - 04. 2019
Social Worker Intern NY, U.S.

- Conducted timely client-focused case management and crisis intervention
- Addressed unresolved grievances or dissatisfying outcomes with motivational interviewing
- Organized 10 “Coffee and Connection” session in NYC libraries, provided clients with community resources in need

Pacific Education Advocacy Research Learning Institute 01. 2018 – 07. 2018
Social Worker Intern NY, U.S.

- Organized the annual “Opportunity and Challenge” global mental health conferences and seminars corning the Asian community in collaboration with NYU
- Established proposal, designed and promoted the agency’s gala and fundraising events
- Served as a primarily administrative role and liaison with external partners, managed daily operations including meeting facilitation, volunteer orientation and social media maintenance

Didi Chuxing Technology Co., Ltd 05. 2016 - 11. 2016
Corporate Social Responsibility Specialist Beijing, China

- Developed programs relating to ethical, sustainable and environmental responsibilities for the company with NGOs
- Launched company-wide events for the 99 Giving Day with Tencent Charity Foundation

THU Center for Counseling and Psychological Development 09. 2015 - 06. 2017
Social Media Specialist Beijing, China

- Developed and administrated the social media strategy to increase mental health awareness, delivered wellness articles to student audience

TEACHING EXPERIENCE

Teaching Assistant 08. 2023 - 12. 2023
Social Work Statistics Illinois, U.S.

- Led study sessions and articulated statistical procedures in one-on-one and group settings for 50 BSW students
- Assessed student performance in weekly practice problems, and homework assignments

Guest Lecturer 2022 - 2023
HBSE I: Human Development Class Illinois, U.S.

- Provided a lecture regarding the oldest old population for BSW students

Assistant Lecturer 05. 2018 - 09. 2018
Nutrition Class for Chinese Older Adults NY, U.S.

- Provided 2 series of nutrition and social welfare courses for older Chinese immigrants
- Participated in course material translation and curriculum design

Teaching Assistant 06. 2018/ 06.2019
Summer professional course for Social Worker, NYU NY, U.S.

- Developed program protocol with cultural competency, translated and edited the training manuals
- Communicated and coordinated with the instructor in daily lesson plans, revised lesson material and provided side-by-side interpretation
- Facilitated class discussions and provided additional assistance to students who have special needs

HONOR & SCHOLARSHIP

AGESW Gerontological Social Work Pre-Dissertation Fellow, \$1,200 <i>Association for Gerontology Education in Social Work</i>	2023 U.S.
Chinn Family Scholarship, \$5,000 <i>University of Illinois at Urbana Champaign</i>	2023 U.S.
Daniel S. Sanders Scholarship in International Social Development, \$2,725 <i>University of Illinois at Urbana Champaign</i>	2023 U.S.
Lemann Center Graduate Fellowship for Brazilian Studies, \$12,500 <i>University of Illinois at Urbana Champaign</i>	2023 U.S.
Paul D. Doolen Graduate Award, Alternate <i>University of Illinois at Urbana Champaign</i>	2023/ 2024 U.S.
Graduate Student Conference Travel Award, \$500 <i>University of Illinois at Urbana Champaign</i>	2021 - 2024 U.S.
School-Based Named Jane Bram Scholarship, \$10,000 <i>New York University</i>	2018 - 2019 U.S.
Silver Scholarship, \$12,000 <i>New York University</i>	2017 - 2019 U.S.
Outstanding Public Good Leader of the Year <i>Tsinghua University</i>	2017 China
Beijing Government Full Scholarship, Full Tuition Waive <i>Tsinghua University</i>	2013 - 2017 China

LEADERSHIP

Advisory Committee, Asian American Cultural Center UIUC	2024 - Present
Diversity Committee Member, School of Social Work UIUC	2023 - Present
Social Media & Outreach Chair, Doctoral in Social Work Association UIUC	2021 - Present
Organizer, Nevada Freedom Bazaar UIUC	2021 - Present
Fellow, Student Leadership Council NYU	2018 - 2019
President, Student Association of Education Poverty Alleviation THU	2013 - 2017

PROFESSIONAL TRAINING & CERTIFICATE

IPUMS Data Workshop <i>University of South California</i>	2023
Summer Institutes in Computational Social Science <i>National University of Singapore</i>	2023
Topics in Digital and Computational Demography <i>Max Planck Institute</i>	2022
PhD Program Professional Development Certificate <i>UIUC</i>	2022
Bereavement and Grief-Related Issues <i>Calvary Hospital</i>	2020
Chinese Hospice & Palliative Care <i>CACCC</i>	2020
Trauma-informed CBT <i>Medical University of South California</i>	2019
Mental Health First Aid USA <i>New York City</i>	2019

PROFESSIONAL AFFILIATIONS

International Federation of Social Workers <i>Member</i>	08. 2023 - Present
Association for Gerontology Education in Social Work <i>Member</i>	03. 2023 - Present
Population Association of America <i>Member</i>	03. 2022 - Present
Gerontological Society of America <i>Member</i>	09. 2021 - Present
Society for Social Work and Research <i>Member</i>	11. 2021 - Present

PROFESSIONAL SKILLS

Languages: Mandarin, Cantonese, English

Skills: STATA, R, SPSS, Mplus; Nvivo; Qualtrics, RedCap; LaTeX; EndNote, Covidence, Rayyan; Graphic Design, Professional Photography