

# Luyi Jian

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## EDUCATION

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**University of California, Berkeley** 2024 (Expected)

Ph.D. Social Welfare

Dissertation: *How Does Prosocial Identity Protect Justice-involved Youth from Reoffending? Testing Core Components of a Conceptual Framework*

Committee: Jennifer Skeem (Chair), Susan Stone, David Harding, Stephen Hinshaw

- Graduate Certificate in Applied Data Science, UC Berkeley School of Information
- Applied Data Analytics Summer Training Certificate, Coleridge Initiative & UC Berkeley D-Lab

**Washington University in St. Louis** 2019

M.S.W. Social Work

Dual Concentration: Children, Youth, and Family & Mental Health

- Practicum at Clark-Fox Family Foundation, Mass Incarceration Community Education Initiative
- Practicum at St. Louis City Juvenile Detention Center

**People's Public Security University of China** 2007

M.S. Applied Psychology

Concentration: Criminal Psychology

- Legal Professional Qualification Certificate of the People's Republic of China

**Tongji University** 2003

B.E. Economics

Major: International Economy and Trade; Minor: Law, Fudan University

## RESEARCH INTERESTS

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Positive Youth Justice, Strength-Based Interventions for At-Risk and Justice-Involved Youth, Policy and Program Evaluation in Legal Systems, Computational Social Science

## TEACHING INTERESTS

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Research Methods, Program Evaluation, Applied Data Science in Criminal Justice, Advanced Quantitative Methods, Social Science & Crime Prevention Policy, Juvenile Justice

## PROFESSIONAL EXPERIENCE

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**Shanghai Public Security Bureau** 2007-2017

*Police Officer*

Shanghai, China

- Worked in departments including the Police Station, Cyber Security, Crime Investigation, Command, and Publicity, in both the front-line and administrative positions

## CURRENT WORK

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### Lead Statistical Consultant

2023-present

For a 3-year project, "*Optimizing supervision and service strategies to reduce reoffending: Accounting for risks, strengths, and developmental differences*", funded by the National Institute of Justice (\$600K)

Principle Investigator: Gina Vincent, Ph.D.

Implementation Science & Practice Advances Research Center (iSPARC)

University of Massachusetts Medical School, Shrewsbury, MA

- Consulted on data transformations for the project, which has partnered with juvenile justice agencies in Pennsylvania, Virginia, and Wisconsin to track services, supervision, risk assessment, and recidivism data for a large sample of justice-involved youth (N>40,000)
- Conducted statistical analyses critical to achieving study aims. Applied conventional survival analysis *and* survival analysis integrated with inverse probability of treatment weighted (IPTW) and SuperLearner (a machine learning method) to examine the predictive power of risk vs. protective factors, risk-reduction vs. strengths-based services on reoffending, and the moderating effects of age

### Trainee Fellow

2023-present

[Computational Research for Equity in the Legal System \(CRELS\)](#) program, funded by the National Science Foundation (\$3M), hosted by the Berkeley Institute for Data Science at UC Berkeley

- Intensive training in data science through coursework (e.g., Computational Social Science series, Causal Inference series, Data Engineering, Social and Ethical Implications of Artificial Intelligence), weekly workshops, and research sessions

### Behavioral Interventions Scholar

2022-present

Administration for Children & Families, U.S. Department of Health & Human Services

- A [federal grant program](#) that offers funding (\$50K) and support to dissertations that apply behavioral science to rigorous, policy-relevant research on issues facing vulnerable families
- Conducting [dissertation research](#) to explore an innovative strength-based intervention approach for justice-involved youth

### Graduate Student Researcher

2021-present

Risk Resilience Research Lab, UC Berkeley, CA

- Leading researcher in two projects funded by the Arnold Ventures (\$513K) that test the impact of juvenile and criminal justice financial sanctions and fee repeal policies on individuals' recidivism and families' financial outcomes
- Initiated and refined data extraction from government agencies including the Alameda County Probation Department, the Alameda County Central Collections, and the California Department of Justice
- Collaborated with the California Policy Lab to develop R and SAS scripts for hashing and matching between databases
- Cleaned and merged large data from different agencies. Conducted comprehensive rules-based hashed records linkage between the probation sample and relevant consumer credit panel data (containing 460 million records) to obtain participants' quarterly credit scores over 2.5 years
- Conducted advanced analyses including Targeted Maximum Likelihood Estimation (TMLE) incorporating SuperLearner and Marginal Structural Modeling (MSM), to achieve study aims
- Visualized findings, drafted manuscripts and one of the final reports to the funder

## PEER-REVIEWED PUBLICATIONS

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- Jian, L.,** & Skeem, J. (In Press). Getting traction on Positive Youth Justice: Prosocial identity as a promising target for intervention. *Psychology, Public Policy, and Law*. DOI: 10.1037/law0000410
- Jian, L.,** Pettus-Davis, C., & Kohl, P. L. (2022). Young fathers in jail: Associations between father experiences, father-child relationships and community stability. *Victims & Offenders, 17*(4), 571–596. <https://doi.org/10.1080/15564886.2021.1958399>
- Zhao, Y., Liu, M., Bo, S., & **Jian, L.** (2010). A study on crime distance of serial burglary cases. *Journal of Chinese People's Public Security University (Social Science Edition), 26*(2), 143–149. (In Chinese)
- Jian, L.,** & Li, M. (2007). Developmental characteristics of adolescence-limited antisocial behavior. *Issues on Juvenile Crimes and Delinquency, 26*(5), 11–14. <https://doi.org/10.3969/j.issn.1006-1509.2007.05.003> (In Chinese)
- Jian, L.** (2006). Psychological analysis of superstitious behaviors. *Science of Social Psychology, 21*(2), 120–122. (In Chinese)
- Jian, L.** (2006). Methods of criminal profiling: Comparative analysis of CSA and BEA. *Journal of Henan Judicial Police Vocational College, 4*(4), 38–41. (In Chinese)

### **Book Chapters**

- Rossmo, K. (2007). *Geographic Profiling* (Li, M., **Jian, L.**, Ren, Y., & Wang, Z. Trans.). People's Public Security University of China Press (Original work published in 2000; pp. 4–90, 262–273).

### **Manuscripts In Submission (Full Drafts Completed)**

- Chambers, J., Skeem, J., **Jian, L.**, & Martin, K. D. Estimated effect of juvenile justice fee repeal on family financial burden and youth recidivism (*Psychology, Public Policy, and Law*)
- Skeem, J., **Jian, L.**, & Kennealy, P. Do “strengths” protect serious juvenile offenders against institutional infractions? (*Law and Human Behavior*)
- Jian, L.**, Chambers, J., Montoya, L. & Skeem, J. Effects of juvenile justice financial sanctions and fees on recidivism (*Youth Violence and Juvenile Justice*)

### **Manuscripts In Planning (Data Analyses Completed)**

- Jian, L.**, & Skeem, J. Effects of criminal justice fee repeal on probationers' financial burden and recidivism
- Jian, L.**, Skeem, J., & Vincent, G. Other-oriented prosocial or conventional? Conceptualizing prosocial identity for justice-involved youth

## CONFERENCE PRESENTATIONS

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- Jian, L.**, Vincent, G., & Skeem, J. Conceptualizing prosocial identity for justice-involved youth. *American Psychology-Law Society Conference*, Los Angeles, CA (Paper presentation, expected in March 2024).
- Jian, L.**, Chambers, J., Farrell, S., & Skeem, J. Effects of criminal justice financial sanctions and fee repeal on justice-involved individuals' financial burden and recidivism. *American Psychology-Law Society Conference*, Los Angeles, CA (Poster presentation, expected in March 2024).

- Jian, L.,** Vincent, G., & Skeem, J. Conceptualizing prosocial identity for justice-involved youth. *Society for Social Work and Research Annual Conference*, Washington, DC (Paper presentation, January 2024).
- Jian, L.,** Chambers, J., Farrell, S., & Skeem, J. Effects of criminal justice financial sanctions and fee repeal on justice-involved individuals' financial burden and recidivism. *Society for Social Work and Research Annual Conference*, Washington, DC (Paper presentation, January 2024).
- Jian, L.,** Skeem, J., & Vincent, G. Conceptualizing prosocial identity for justice-involved youth. *American Society of Criminology Annual Meeting*, Philadelphia, PA (Paper presentation, in the thematic panel "Implementing positive youth justice in probation: Examination of protective factors by race and age", November 2023).
- Jian, L.,** Chambers, J., & Skeem, J. Effect of juvenile justice financial sanctions and fee repeal on families' financial burden and youth's recidivism. *American Psychology-Law Society Conference*, Philadelphia, PA (Paper presentation, March 2023).
- Jian, L.,** Chambers, J., Montoya, L. & Skeem, J. Effect of juvenile justice financial sanctions and fee repeal on recidivism. *Society for Social Work and Research Annual Conference*, virtually to Phoenix, IN (Poster presentation, January 2023).
- Jian, L.** How does prosocial identity protect justice-involved youth from reoffending? *Berkeley Empirical Legal Studies Seminar*, Berkeley, CA. (September 2022)
- Skeem, J., **Jian, L.,** & Farrell, S. Training effects of In Your Corner - Opioid-Affected Youth Initiative. Presented to *In Your Corner Task Force*, Alameda County Probation Department, CA. (September 2021)
- Jian, L.,** Pettus-Davis, C., & Kohl, P. L. Characteristics of young fathers in jail: Associations with father-child relationship and recidivism. *Society for Social Work and Research Annual Conference*, San Francisco, CA (Paper presentation, January 2019).

## GRANTS & FELLOWSHIPS

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### NATIONAL

**Behavioral Interventions Scholars Grant (\$50,000)** 2022-2024  
Administration for Children and Families, U.S. Department of Health & Human Services

### UNIVERSITY-WIDE

**Computational Research for Equity in the Legal System (CRELS) Fellowship (\$34,000)<sup>1</sup>** 2023-2024  
Funded by the National Science Foundation, hosted by the Berkeley Institute for Data Science

**Doctoral Completion Fellowship (\$30,000)** 2023-2024  
Graduate Division, UC Berkeley

**Berkeley Empirical Legal Studies (BELS) Fellowship (\$2,000)** 2022-2023  
Center for the Study of Law and Society, Law School, UC Berkeley

**Summer Graduate Fellowship (\$5,000/year)** 2020-2023  
Annual summer fellowship from the School of Social Welfare, UC Berkeley

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<sup>1</sup> Fellowship unused.

<b>Dean’s Conference Travel Award (\$1,600/year)</b> Annual grant for conference presentations from the School of Social Welfare, UC Berkeley	2022-2023
<b>Conference Travel Grant (\$900)</b> Graduate Division, UC Berkeley	2023
<b>Brown School Scholarship (\$25,000 tuition reduction)</b> Brown School of Social Work, Washington University in St. Louis	2017
<b>University Fellowship (¥2,700/year + full tuition)</b> Graduate Division, People’s Public Security University of China	2004-2007
<b>Excellent Graduate Student Scholarship (¥500/year)</b> Graduate Division, People’s Public Security University of China	2004 & 2005
<b>Excellent Undergraduate Student Scholarship (¥1,200)</b> School of Economics and Management, Tongji University	2002
<b>Sony Scholarship (¥3,400)</b> Sony Scholarship Committee of Colleges and Universities in Shanghai	2001
<b>Excellent Undergraduate Student Scholarship (¥2,800)</b> School of Economics and Management, Tongji University	2000

## AWARDS

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<b>Award for Police Public Relations</b> Shanghai Public Security Bureau	2014
<b>Annual Award for Outstanding Individuals</b> Shanghai Public Security Bureau	2012
<b>Annual Award for Outstanding Individuals</b> Shanghai Public Security Bureau	2011

## TEACHING AND MENTORING EXPERIENCE

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<b>Graduate Student Instructor/Teaching Assistant</b> School of Social Welfare & Goldman School of Public Policy, UC Berkeley	2020-2023
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### **Introduction to Social Welfare Policy (SW112)**

#### ***Spring 2023***

- In-person course for undergraduates. Class size: 48 students
- Taught two discussion sections weekly, proctored exams, graded mid-term and final papers, and held office hours

**Social Science & Crime Prevention Policy (PP189/SW181)**

**Spring 2020, Spring 2021, Fall 2022**

- In person or online courses for upper-level undergraduates. Class size: 90 students in average
- Assisted in developing class materials for facilitated discussions and group activities, guided final projects, graded mid-term and final papers, and held office hours

**GiGS (Getting into Graduate School program) Mentor**

2020-2022

Office for Graduate Diversity, UC Berkeley

- Worked with historically underrepresented, first-generation, transfer, and reentry UC Berkeley students to support their application for and orientation to graduate schools

**PAST RESEARCH EXPERIENCE**

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**Graduate Student Researcher**

2021-2022

Risk Resilience Research lab, UC Berkeley

*Effect of Group CBT for Justice-involved People with Mental Illness*

Principle Investigator: Jennifer Skeem, Ph.D.

- Cleaned and prepared data from an experimental study investigating the effect of group cognitive-behavioral treatment on reoffending in a sample of justice-involved individuals with mental illness (N=720) at two sites (San Francisco and Sonoma) in CA
- Conducted repeated measures MANOVA and post hoc tests to examine whether the treatment improved attitudes, emotion regulation, aggression, and/or problem-solving skills

*Effects of "In Your Corner - Opioid-Affected Youth Initiative"*

Principle Investigator: Jennifer Skeem, Ph.D.

- Evaluated the short- and long-term effects of the "In Your Corner" campaign initiated by the Alameda County Probation Department. The campaign trains service providers to increase at-risk youth's utilization of substance abuse and behavioral health services
- Cleaned and analyzed data, visualized findings, and drafted the final report to the funder

**Graduate Student Trainee and Researcher**

Summer 2021

*California Applied Data Analytics Training Program*

Cohosted by Coleridge Initiative and D-Lab at UC Berkeley

- Completed 16 training sessions on SQL, machine learning, and working with confidential data
- Explored and linked population-level data from California Department of Social Services, California Department of Education, and Employment Development Department, to answer policy questions on social service utilization, gaps in services provision, and employment and educational outcomes for foster care youth
- Worked in a team with members from government agencies and was responsible for research design, data cleaning and analysis, results visualization, and final presentation

**Primary Researcher**

2007-2011

*Analysis of Spatial Characteristics of Serial Burglary Cases*

Principle Investigator: Yong Zhao, Deputy Chief of Crime Investigation

Department of Crime Investigation, Shanghai Public Security Bureau, China

- Collaborated with a team of researchers and police officers to build a database containing behavioral information of arrested serial burglars in Shanghai
- Explored relationships between serial burglars' geographic behavioral patterns and their residential locations
- Spearheaded research plans, designed questionnaire and interview outline, distributed questionnaires to jailed burglars on a rolling basis (N=686), surveyed burglary crime investigators (N=32), interpreted results from data analyses, and wrote the final report

**Research Assistant**

2006

Department of Applied Psychology, People's Public Security University, Beijing, China

- Translated *Geographic Profiling* by Dr. Kim Rossmo from English to Chinese as part of a team
- Served as a liaison and interpreter at seminars and conferences on geographic profiling for universities and law enforcement agencies

**PROFESSIONAL AFFILIATIONS**

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Society for Social Work and Research  
 American Psychology-Law Society  
 American Society of Criminology  
 Berkeley Institute for Data Science, UC Berkeley  
 Risk Resilience Research Lab, Goldman School of Public Policy, UC Berkeley

**PROFESSIONAL AND UNIVERSITY SERVICES**

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Reviewer for *Perspectives on Social Work* journal 2020-present

Doctoral Student Representative at the Dean's Student Advisory Board 2020-2022  
 School of Social Welfare, UC Berkeley

**SKILLS**

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**Data Wrangling:** Large data cleaning, transformation, merging, and validation

**Data Analysis**

- Descriptive and inferential statistical analysis in experimental, quasi-experimental, and observational studies (e.g., regression, survival analysis, propensity score matching, Diff-in-Diff)
- Computational methods (e.g., TMLE/IPTW with SuperLearner, supervised/unsupervised machine learning, Natural Language Processing)

**Programming/Software:** R, Python, SQL, SPSS

**Languages:** Mandarin and English