

Jixin Li

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RESEARCH INTERESTS

Development of interactive and preventive physical/mental health tools.
Especially in developing just-in-time adaptive assessment system that collects real-time information about mental states and health outcomes in a hope to capture meaningful variation and identify critical moments to support intervention delivery.

EDUCATION

Northeastern University, Boston, MA 09/2019-05/2025
Ph.D. in Personal Health Informatics
Advisor: Prof. Stephen Intille

Columbia University, New York City, NY 08/2016-12/2017
M.A. in Statistics, advisor: Prof. Daniel Rabinowitz
GPA: 3.6/4.0

University of Michigan, Ann Arbor, MI 08/2012-05/2014
B.A. in Psychology, minor in Applied Statistics, University Honor
GPA: 3.7/4.0

Renmin University of China, Beijing, P.R.China 08/2010-07/2012
Major in Applied Psychology and transferred to the University of Michigan

RESEARCH

Manuscripts

- “Contextual biases with microinteraction ecological momentary assessment (uEMA) response rates” (targeting for IMWUT Nov. 2021)
- “A location-sensitive ecological momentary assessment (LS-EMA) system for collecting individually meaningful location labels” (targeting for CHI/IMWUT/CSCW/EAI Pervasive health in 2022)
- “Literature review on reinforcement learning algorithms in Just-In-Time Adaptive Intervention (JITAI) application” (manuscript)
- “Application of ecological momentary assessment EMA in mental health practice” (manuscript)

User Interface Design

- Development and user testing of a desktop GUI-based application for intensive longitudinal data analysis (MixWILD)

WORK EXPERIENCES

Data Scientist at Learnable, Inc., Boston, MA 10/2017-10/2018

Transportation delay prediction:

- Predicted transportation delay using unstructured data including GPS location, customer remarks, weather, and historical delay records.

Coupon recommendation system:

- Designed collaborative filtering recommendation system for retailers to distribute coupons to stimulate customer repurchase.

Survey Data Analyst at AsiaEAP Consulting Co., Shanghai, China 2015-2016

- Wrote organizational mental well-being report by conducting scale survey and group interview to client companies in labor intensive industry.
- Collected prevailing scales on stress in the workplace and compiled questionnaires customized for clients, including Shanghai Volkswagen, Qunar.com.

Research Assistant

01/2013-05/2013

Advisor: Prof. Maria Muzik, Women and Infants Mental Health Program, Department of Psychiatry, Univ. of Michigan

- Reviewed literature on father-child attachment; transcribed video of postpartum depression group therapy meetings.

PROGRAMMING AND TOOLS Python, JAVA, R, SPSS, Linux, Git, MySQL, cluster computing

VOLUNTEERING Activity organizer and treasurer, Columbia Statistics Club 09/2016-12/2017
 School administrator, Tianzige Teaching in Rural China 06/2014-12/2014
 After-school tutor, 826michigan Commnuty Center 09/2012-12/2012
 Program manager, Autism Volunteer Group in Renmin University 2010-2012

SCHOLARSHIPS University Honors, University of Michigan, 2014.

& AWARDS University Scholarship, Renmin University of China, 2012.