Stanford

Wanjing Anya Ma

Postdoctoral Scholar, Education

Bio

HONORS AND AWARDS

- Stanford HAI Graduate Fellow, Stanford University HAI (2025)
- Graduate Student Best Poster Award, National Council on Measurement in Education (2025)
- Stanford Interdisciplinary Graduate Fellowship, Stanford University (2023)
- Distinguished Poster Award, Psychometrics Society (2023)
- Best Paper Nomination, The 13th Annual International Conference for Computer-Supported Collaborative Learning (2019)
- Letha Hurd Morgan Award, New York University (2018)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Stanford University , CS-PMN (2026)
- Doctor of Philosophy, Stanford University , ED-PHD (2026)
- Bachelor of Science, New York University , Computer Science; Education (2018)
- Bachelor of Science, Boston University , Computer Science and Education (2018)
- Master of Science, University of Pennsylvania , Learning Sciences and Techolog (2019)
- M.S.Ed, University of Pennsylvania , Learning Sciences and Technologies (2019)
- B.S., New York University , Computer Science, Teaching Chemistry 7–12 (with Honors) (2018)

LINKS

- Personal Website: https://anyawma.github.io/

Research & Scholarship

RESEARCH INTERESTS

- Assessment, Testing and Measurement
- Brain and Learning Sciences
- Data Sciences
- Research Methods
- Special Education

Publications

PUBLICATIONS

- **A comparison of the predictive performance of continuous and class-based latent trait models.** *Psychological methods*
  Ma, W. A., Liu, Y., Kanopka, K., Ma, W., Domingue, B. W.
  2026

- **A fair lexical decision task for monolingual and multilingual Spanish-speakers.** *Frontiers in psychology*
  Siebert, J. M., Jimenez, M., Ma, W. A., Townley-Flores, C., Saavedra, A., Yeatman, J. D.
  2026; 17: 1826045

- **Improving Validity and Efficiency of Digital Dyslexia Screening Through Trial-by-Trial Feedback** *PSYCHOLOGICAL ASSESSMENT*
  Ma, W., Jimenez, M., Siebert, J. M., Saavedra, A., Townley-Flores, C., Richie-Halford, A., Domingue, B. W., Yeatman, J. D.
  2026

- **Improving validity and efficiency of digital dyslexia screening through trial-by-trial feedback.** *Psychological assessment*
  Ma, W. A., Jimenez, M., Siebert, J. M., Saavedra, A., Townley-Flores, C., Richie-Halford, A., Domingue, B. W., Yeatman, J. D.
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- **Similarities (and Differences) in the Learning Patterns of Single-Word Reading of an Alphabetic Orthography in Monolingual and Bilingual Primary School Children: A Cross-Sectional Study.** *Brain sciences*
  Smith, G., Bassoli, E., Ozturk, Y., Arteaga-Garcia, E., Ma, W. A., , , Yeatman, J. D., Mastrogiuseppe, M., Caffarra, S.
  2026; 16 (4)

- **ROAR-CAT: Rapid Online Assessment of Reading ability with Computerized Adaptive Testing.** *Behavior research methods*
  Ma, W. A., Richie-Halford, A., Burkhardt, A. K., Kanopka, K., Chou, C., Domingue, B. W., Yeatman, J. D.
  2025; 57 (1): 56

- **Automatic Generation of Inference Making Questions for Reading Comprehension Assessments**
  Ma, W., Flor, M., Wang, Z.
  edited by Kochmar, E., Alhafni, B., Bexte, M., Burstein, J., Horbach, A., Laarmann-Quante, R., Tack, A., Yaneva, Yuan, Z.
  ASSOC COMPUTATIONAL LINGUISTICS-ACL.2025: 398-414

- **Development and validation of a rapid and precise online sentence reading efficiency assessment** *FRONTIERS IN EDUCATION*
  Yeatman, J. D., Tran, J. E., Burkhardt, A. K., Ma, W., Mitchell, J. L., Yablonski, M., Gijbels, L., Townley-Flores, C., Richie-Halford, A.
  2024; 9

- **Rapid online assessment of reading and phonological awareness (ROAR-PA).** *Scientific reports*
  Gijbels, L., Burkhardt, A., Ma, W. A., Yeatman, J. D.
  2024; 14 (1): 10249

- **DEVBENCH: A multimodal developmental benchmark for language learning**
  Tan, A. W. M., Yu, S., Long, B., Ma, W., Murray, T., Silverman, R. D., Yeatman, J. D., Frank, M. C.
  edited by Globerson, A., Mackey, L., Belgrave, D., Fan, A., Paquet, U., Tomczak, J., Zhang, C.
  NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2024