

Tianfang Han
CURRICULUM VITAE
University of Idaho

NAME: Tianfang Han, PhD

DATE: December 31, 2023

RANK OR TITLE: Assistant Professor

DEPARTMENT: Psychology and Communication

OFFICE LOCATION AND CAMPUS ZIP:

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DATE OF FIRST EMPLOYMENT AT UI: August 14, 2023

DATE OF TENURE: Untenured

DATE OF PRESENT RANK OR TITLE: August 14, 2023

EDUCATION BEYOND HIGH SCHOOL:

Degrees:

- 2023 Ph.D.
Purdue University, West Lafayette, IN
Major: Cognitive Psychology
Dissertation Title: "Specific or Nonspecific: Investigating the Effect of Event-Based Sequential Modulation on Temporal Preparation"
- 2020 M.S.
Purdue University, West Lafayette, IN
Major: Cognitive Psychology
Thesis Title: "Revisiting Variable-Foreperiod Effects: Evaluating the Repetition Priming Account"
- 2014 LL.B.
Peking University, Beijing, China
Major: Politics and Public Administration
- 2014 B.Sc.
Peking University, Beijing, China
Double Degree: Psychology

Certificates:

- 2021 Graduate Certificate in Psychological Statistics
Purdue University, West Lafayette, IN

EXPERIENCE:

Assistant Professor, University of Idaho

2023 – present

TEACHING ACCOMPLISHMENTS:**Areas of Specialization:**

Cognitive Psychology, including sensation and perception, attention and cognitive control (or human information processing), learning and memory. Human factors, including engineering design and transportation safety.

Courses Taught:

PSYC 509 Human Factors in Engineering Design (graduate level; University of Idaho)

Students Advised:

Undergraduate Students: None

Graduate Students: None

Courses Developed:

Human Factors in Engineering Design, an overview and application of key human factors theories, concepts, and principles for design

SCHOLARSHIP ACCOMPLISHMENTS:**Publications:**

Han, T., Hung, Y. H., Bell, M. R., Hayes, L. G., Chen, Y., Zhang, J., ... & Proctor, R. W. (2023, October). Experts' Evaluations and Opinions Concerning Deployment of Connected and Autonomous Vehicles. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (p. 21695067231192666). Sage CA: Los Angeles, CA: SAGE Publications.

Ren, R., Li, H., **Han, T.**, Tian, C., Zhang, C., Zhang, J., ... & Feng, Y. (2023). Vehicle crash simulations for safety: Introduction of connected and automated vehicles on the roadways. *Accident Analysis & Prevention*, 186, 107021.

Han, T., & Proctor, R. W. (2023). Testing the saliency-based account of phasic alertness. *Psychonomic Bulletin & Review*, 1-9.

Han, T., & Proctor, R. W. (2023). Effects of a neutral warning signal under increased temporal uncertainty. *Memory & Cognition*, 1-12.

Feng, Y., Chen, Y., Zhang, J., Tian, C., Ren, R., **Han, T.**, & Proctor, R. W. (2023). Human-centred design of next generation transportation infrastructure with connected and automated vehicles: a system-of-systems perspective. *Theoretical Issues in Ergonomics Science*, 1-29.

Han, T., & Proctor, R. W. (2022). Change of variable-foreperiod effects within an experiment: A Bayesian modeling approach. *Journal of Cognition*, 5(1).

Han, T., & Proctor, R. W. (2022). Revisiting variable-foreperiod effects: Evaluating the repetition priming account. *Attention, Perception, & Psychophysics*, 84(4), 1193-1207.

Han, T., & Proctor, R. W. (2022). Effects of a neutral warning signal on spatial two-choice reactions. *Quarterly Journal of Experimental Psychology*, 75(4), 754-764.

Conference Presentations and Posters:

Han, T., & Proctor, R. W. (2023, November 19). *Specific or Nonspecific: Investigating the Relation Between Preparation and Stimulus-response Event Sequence* [Conference spoken presentation]. Psychonomic Society 64th Annual Meeting, San Francisco, California, United States.

Han, T., Hung, Y., Bell, M., Hayes, L., Chen, Y., Zhang, J., Feng, Y., & Proctor, R. W. (2023, October 25). *Experts' Evaluations and Opinions Concerning Deployment of Connected and Autonomous Vehicles* [Conference poster]. 67th HFES Annual Meeting, Washington, DC, United States.

Han, T., & Proctor, R. W. (2022, November 18). *Specific or Nonspecific? Effect of Stimulus-Response Event Sequence on Temporal Preparation* [Conference poster]. Psychonomic Society 63rd Annual Meeting, Boston, Massachusetts, United States.

Proctor, R. W., **Han, T.**, Hung, Y.-H., Li, H., Ren, R., Tian, C., Zhang, C., Chen, Y., Feng, Y., & Zhang, J. (2022, August 6). Human-centered design of transportation infrastructure for connected and automated vehicles. In *Contributions of engineering psychology to implementation of connected and automated vehicles (CAVs)* [Symposium presentation] 2022 Annual Convention of the American Psychological Association, Minneapolis, MN, United States.

Han, T., & Proctor, R. W. (2022, April 22). *Effects of a neutral warning signal on spatial two-choice reactions* [Conference paper talk]. The 94th annual meeting of the Midwestern Psychological Association, Chicago, IL, United States.

Han, T., & Proctor, R. W. (2021, November 7). *Using Bayesian Modeling to Investigate Whether Variable Foreperiod Effects Systematically Change Over Time Within an Experiment* [Conference spoken presentation]. Psychonomic Society 62nd Annual Meeting, Online.

Proctor, R. W., **Han, T.** (2021, November 7). *Same-Different Matching with Stroop Color-Word Stimuli* [Conference poster]. Psychonomic Society 62nd Annual Meeting, Online.

Han, T., & Proctor, R. W. (2020, November 20). *Evaluating the Repetition Priming Account of the Sequential Foreperiod Effect* [Conference poster]. Psychonomic Society 61st Annual Meeting, Online.

Han, T., & Proctor, R. W. (2019, November 14). *Effects of a Neutral Auditory Warning Signal on Performance of a Two-Choice Spatial Reaction Task* [Conference poster]. Psychonomic Society 60th Annual Meeting, Montréal, Québec, Canada.

External Funding:

Agency: EPSCoR Research Fellowship (Track 4) 2024 - National Science Foundation
Proposal: Modeling Human Preparation and Anticipation Processes
Role: Principal Investigator
Amount: \$300,000
Status: Application in progress.

SERVICE:**Departmental:**

Psychology Graduate Program Committee 2023 – present
 Psychology Undergraduate Program Committee 2023 – present