

**Tianfang Han**  
**CURRICULUM VITAE**  
University of Idaho

**NAME:** Tianfang Han, PhD

**DATE:** August 30, 2023

**RANK OR TITLE:** Assistant Professor

**DEPARTMENT:** Psychology and Communication

**OFFICE LOCATION AND CAMPUS ZIP:**

Student Health Services 218, 83844-3043

**OFFICE PHONE:**

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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:**

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.

## SERVICE:

### Departmental:

Psychology Graduate Program Committee 2023 – present

Psychology Undergraduate Program Committee 2023 – present