

Haoxue Fan

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EDUCATION	Harvard University , Cambridge, MA, USA	2024 (Expected)
	Ph.D. Candidate, Psychology	
	Secondary Field in Computational Science and Engineering	2023
	M.A. Psychology	2022
	Dissertation committee: Dr. Elizabeth Phelps (primary advisor), Dr. Samuel Gershman, Dr. Fiery Cushman	
	Peking University , Beijing, China	2019
	B.S. in Psychology (Economics minor), <i>graduated with honors</i>	
	Advisor: Dr. Jian Li	
	University of California, Berkeley , Berkeley, CA, USA	2017
	Visiting student (Summer Session)	
PUBLICATION AND MANUSCRIPT	(Trainee authors/presenters are underlined; *: Equal Contribution;)	
	Beech, A., Fan, H. , Shu, J., Oyarzun, J., Nadel, P., Phelps, E. A., & Kredlow, M. A. (<i>accepted abstract</i>). Differential language analysis of participant narratives and depression and anxiety symptoms during the COVID-19 pandemic. <i>Affective Science</i> .	
	Kredlow, M.A*, Oyarzun, J.P*, Fan, H. , Meskin, R., Hirst, W. & Phelps, E.A. (2023) Language use in narratives of the 9/11 attacks predicts long-term memory. <i>Emotion</i> [pdf]	
	Fan, H. , Burke, T., Sambrano, D. C., <u>Dial, E.</u> , Phelps, E. A., & Gershman, S. J.(<i>in press</i>) Pupil size encodes uncertainty during exploration. <i>Journal of Cognitive Neuroscience</i> [pdf]	
	Fan, H. , Gershman, S. J., & Phelps, E. A. (2023) Trait somatic anxiety is associated with reduced directed exploration and underestimation of uncertainty. <i>Nature Human Behavior</i> [pdf]	
	Hart, B., Achakulvisut, T., Adeyemi, A., Akrami, A., Alicea, B., Alonso-Andres, A., ... Fan, H. , ... & Wallisch, P. (2022). Neuromatch Academy: a 3-week, online summer school in computational neuroscience. <i>Journal of Open Source Education</i> , 5(49) pdf	
	Castillo, J*, Fan, H* , Karaman, O.T., Shu, J., Stussi, Y., Kredlow, M.A., Vranos, S., Oyarzun, J.P., Dorfman, H., Sambrano, D., Merskin, R., Hirst, W., & Phelps, E. A. (<i>revise and resubmit at Emotion</i>) Overestimating negative emotion in autobiographical memory: evidence from memories for the COVID-19 pandemic and 9/11 attacks [pdf]	
INVITED TALK	MindRL Hub (Sept 2023)	
	Social Decision Neuroscience Lab (PI: Dr. Patricia Lockwood), University of Birmingham (Sept 2023)	
	SPAN Lab (PI: Dr. Brian Knuston), Stanford University (May 2023).	
	Reviews Reading Group (Mar 2023).	
	Rutledge Lab (PI: Dr. Robb Rutledge), Yale University (Mar 2023).	
	Cognition, Brain, and Behavior Seminar, Harvard University (Feb 2023).	

Goldenberg Lab (PI: Amit Goldenberg), Harvard University (Feb 2023).

Chinese Computational Psychiatry Association (Oct 2022).

Otto Lab (PI: Dr. Ross Otto), McGill University (Oct 2021).

Computational Psychiatry Journal Club, Max Planck Institutes Tübingen (Oct 2021).

CONFERENCE TALK

Fan, H.*, Castillo, J.* , Karaman, O. T., Shu, J., Stussi, Y., Kredlow, M. A., Vranos, S., Oyarzun, J. P., Dorfman, H., Sambrano, D., & Phelps, E. A. (Nov, 2022). Over-estimating stress experienced early during the pandemic is associated with decreased emotional well-being. Symposium talk presented as part of "Exploring Relationships Between Various Cognitive Mechanisms and COVID-19 Emotional Distress" at *the 56th annual convention of the Association for Behavioral and Cognitive Therapies (New York, NY)*

Fan, H., Gershman S.J., & Phelps E.A. (September, 2021). Trait somatic anxiety is associated with reduced directed exploration and underestimation of uncertainty. *Society for Neuroeconomics Annual Meeting (virtual)*. *silver best talk award*

CONFERENCE POSTER

Fan, H., Dong, B., Benkelman, D. G., Rodman, A., Dorfman, H. M., Glimcher, P., & Phelps, E. A. (Oct 2023). Bidding with Effort: Using Grip Force to Assess the Value of Information. *Poster to be presented at Society of Neuroeconomics Annual Meeting, Vancouver, Canada*

Fan, H., Gershman S. J., & Phelps E. A. (June, 2022). Trait somatic anxiety is associated with reduced directed exploration and underestimation of uncertainty. *20th Summer Institute on Bounded Rationality, Berlin, Germany*

Castillo, J.* , **Fan, H.***, Karaman, O. T., Shu, J., Stussi, Y., Kredlow, M. A., Vranos, S., Oyarzun, J. P., Dorfman, H., Sambrano, D., & Phelps, E. A. (May, 2022). Over-estimating stress experienced early during the pandemic is associated with decreased emotional well-being. *Social and Affective Neuroscience Society Annual Meeting (virtual)*

Aslarus I., Kredlow, M.A., **Fan H.**, & Phelps, E.A. (May, 2022). Novelty Exposure Interferes with Visual Emotional Memory Consolidation. *Social and Affective Neuroscience Society Annual Meeting (virtual)*

Kredlow, M.A., Oyarzun, J.P., **Fan, H.**, Meskin, R., Hirst, W. & Phelps, E.A. (November, 2021). Do linguistic features of trauma narratives predict trauma-related emotions and memory over time? Symposium presented as part of "Making sense of trauma memories: Characteristics and responses to trauma narratives as predictors of PTSD outcomes" at *the 37th annual conference of the International Society for Traumatic Stress Studies (virtual)*

Fan, H., Gershman S. J., & Phelps E. A. (Apr, 2021). Distinct Effects of Trait Anxiety Components on Exploration *Wisconsin Symposium on Emotion (virtual)*

Heffner, J., Son, J., **Fan, H.**, & FeldmanHall, O. (May, 2019). The Joy of Punishment: Early Emotional Reactions Predict Decisions to Restore Justice. *Social and Affective Neuroscience Society Annual Meeting, Miami Beach, Florida*

HONORS AND AWARDS

Certificate of Student Recognition of Teaching, Harvard University	2022
Certificate of Distinction in Teaching, Harvard University	2022
GSAS Professional Development Fund, Harvard University	2022
Silver Best Talk Award, Society for Neuroeconomics Annual Meeting	2021
Outstanding Graduate Award, Beijing Municipal Education Commission	2019

	College Student Research Program, Beijing Municipal Education Commission 2017 National Scholarship, Ministry of Education of China 2017, 2018 Pacemaker to Merit Student, Peking University 2017, 2018 Xinhe Scholarship, Peking University 2016
RESEARCH TRAINING	Complexity-GAINs(UK) International Summer School (Aug, 2023), <i>Cambridge, UK</i> Summer Institute on Bounded Rationality (June, 2022), <i>Berlin, Germany</i>
TEACHING EXPERIENCE	Instructor , <i>Let me google it: Information seeking (avoidance) in everyday life</i> , January 2021 (a five-lecture introductory psychology course) Teaching Assistant , <i>PSY 1322: Decisions Big and Small: The Cognitive Science of Making Up Your Mind</i> (Instructor: Dr. Tomer Ullman), Spring 2023 Teaching Assistant , <i>PSY 1901: Methods of Behavioral Research</i> (Instructor: Dr. Mina Cikara), Fall 2022 Teaching Assistant , <i>PSY 1401: Computational Cognitive Neuroscience: Building Models of the Brain</i> (Instructor: Dr. Samuel J. Gershman), Spring 2022 Teaching Assistant , <i>AM 207: Stochastic Methods for Data Analysis, Inference and Optimization</i> (Instructor: Dr. Weiwei Pan), Fall 2021 Teaching Assistant , <i>online R workshop on Fundamentals of Tidyverse</i> (Instructors: Drs. Kelly Bodwin & Hunter Glanz), Jan 2021
AD HOC REVIEW	Frontiers in Behavioral Neuroscience
SERVICE AND VOLUNTEER	Mentoring Group Member , <i>Harvard University Department of Psychology</i> , 2023 - Present Mini Career Panelist , <i>PSYC 417, University of Maryland Department of Psychology</i> , Mar 2023 Orientation Panelist , <i>Harvard University Department of Psychology</i> , 2022 Mentoring Co-chair , <i>Harvard Graduate Women in Science and Engineering</i> , 2022 - 2024 Graduate Student Organizer , <i>Innovators in Cognitive Neuroscience</i> , 2022 Graduate Student Interview Day Committee , <i>Harvard University Department of Psychology</i> , 2022 Student Salon Host , Theme: Studying emotion in decision-making. co-hosted with Dr. Ian Robert. <i>Society for Neuroeconomics Annual Meeting 2021 (virtual)</i> , 2021 Graduate Student Representative , <i>Harvard University Department of Psychology</i> , 2021 - Present Event Coordinator , <i>Harvard Women in Psychology</i> , 2021 - 2023 PPREP Identity and Empowering Panelist , <i>Harvard Prospective PhD and RA Event in Psychology</i> , 2021, 2022 PPREP Mentor , <i>Harvard Prospective PhD and RA Event in Psychology</i> , 2020, 2021 International Community Conversation Facilitator , <i>Harvard GSAS orientation</i> , Aug 2020 Video Caption Editor , <i>Neuromatch Academy 2020</i> , Aug 2020
MENTORSHIP EXPERIENCE	Certificate in Mentoring Undergraduates in Science, <i>Harvard University</i> , Apr 2022 Currently Mentored Undergraduates/Post-Bacs: Grace Benkelman, Bryan Dong, Emily Dial Previously Mentored Undergraduates: Rachel Mehler, 2023 Ecem Sena Uluegeci 2022-2023 Isabella Caterina Aslarus , 2020-2021 (Current: Lab Manager, Brown University)

**TECHNICAL
SKILLS**

Python, R, MATLAB, Javascript, Qualtrics, SPSS, Git, L^AT_EX