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Ham Huang

Curriculum Vitæ[1]

Education

2023-Now **Ph.D. Psychology**, GPA: NA/4.
Advisors: Prof. Natalia Vélez, Prof. Thomas Griffiths
Princeton University.

2016-2020 **B.A. Philosophy, Minor in Logic**, Both GPA: 3.95/4.
B.A. Applied Mathematics, *Cluster in Computational Statistics*, GPA: 4/4.
B.A. Psychology, *Highest Honors*, GPA: 4/4.
Thesis: *A role for working memory in shaping the action policy for reinforcement learning*
Thesis Advisor: Prof. Anne G.E. Collins, Dr. Samuel D. McDougle
University of California, Berkeley, *Highest Distinction*, Cumulative GPA: 3.95/4.

Summer Schools

2022 **Sloan-Nomis Summer School on the Cognitive Foundations of Economic Behavior**.

2022 **The Computational Summer School on Modeling Social and Collective Behavior**.

Publications

Ham, H. & Jenkins, A. C. (in prep). Effects of social context on reward-based learning.

Defendini, A., **Ham, H.**, & Jenkins, A. C. (in prep). Dissociating the contributions of the medial prefrontal cortex and temporal parietal junction to mentalizing.

Ham, H. & Jenkins, A. C. (2023). A computational model of lexical false memory based on semantic distance from word embeddings. *Proceedings of the Annual Meeting of the Cognitive Science Society, 45*.

Plate, R. C., **Ham, H.**, & Jenkins, A. C. (2023). When uncertainty in social contexts increases exploration and decreases obtained rewards. *Journal of Experimental Psychology: General*.

Plate, R. C., **Ham, H.**, & Jenkins, A. C. (2022). Exploration is higher in social contexts at the cost of rewards. *Proceedings of the Annual Meeting of the Cognitive Science Society, 44*.

Ham, H., Grahek, I., Bustamante, L., Daw, N., Caplin, A., & Musslick, S. (2022). Leveraging psychometrics of rational inattention to estimate individual differences in the capacity for cognitive control. *Proceedings of the Annual Meeting of the Cognitive Science Society, 44*.

Ham, H.*, Cedegao, Z.*, & Holliday, W. H. (2021). Does amy know ben knows you know your cards? a computational model of higher-order epistemic reasoning. *Proceedings of the Annual Meeting of the Cognitive Science Society, 43*.

[1]Current as of June, 23, 2023. Publish as Huang Ham. * indicates equal contribution.

Presentations

A computational model of lexical false memory based on semantic distance from word embeddings.

28/07/2023 Talk given at Annual Conference of the Cognitive Science Society, Sydney, Australia

Effects of social context on reward-based learning.

01/10/2022 Poster presented at The Society for Neuroeconomics Conference, Arlington, VA

Leveraging psychometrics of rational inattention to estimate individual differences in the capacity for cognitive control.

19/05/2022 ○ Talk given at Control Processes Conference, Online

10/06/2022 ○ Poster presented at The Multi-disciplinary Conference on Reinforcement Learning and Decision Making, Brown University

Social Context Shapes Value Representation during Learning.

06/08/2021 ○ Talk given at International Interdisciplinary Computational Cognitive Science Summer School, Online

23/09/2021 ○ Talk given at Computational Cognition Workshop, Online

Does Amy Know Ben Knows You Know Your Cards? A Computational Model of Higher-Order Epistemic Reasoning.

29/07/2021 Poster presented at Annual Conference of the Cognitive Science Society, Online

Working Memory Shapes State-Space for Policy Formation in Reinforcement Learning.

30/07/2020 Poster presented at Annual Conference of the Cognitive Science Society, Online

Professional Services

Review

2023 **Cognitive Science Society Annual Meeting**, *Reviewed 1 paper*.

2022 **Cognitive Science Society Annual Meeting**, *Reviewed 2 papers*.

Volunteering

2022 **Cognitive Science Society Annual Meeting**, *Online Technical Chair*.

Awards and Fundings

2023 **Centennial Fellowship in the Natural Sciences and Engineering**, *Princeton University*.

Teaching/Mentoring Experience

Students Mentorship

2023 **Ray Liu**, *Jenkins Lab Undergraduate*, UPenn.

2019-2020 **Kian Golestaneh, Megha Krishnan, Pearl Lee, Ailinh Nguyen, Robin Stewart, Jocelyn Xie**, *Undergraduate Lab for Cognitive Science and Psychology*, UC Berkeley.