

Shivang Shelat

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Education

- 2023 – PhD Cognition, Perception, & Cognitive Neuroscience, UNIVERSITY OF CALIFORNIA, SANTA BARBARA
2019 – 2023 BS Psychological & Brain Sciences *with highest honors*, UNIVERSITY OF CALIFORNIA, SANTA BARBARA

Publications

student mentees are underlined

- in prep **Shelat, S.**, Marome, B., Lopez, C., Giesbrecht, B., & Schooler, J. W. (in prep). Mind-wandering impedes visual memory encoding despite memorability.
- under review **Shelat, S.**, Gross, M. E., Giesbrecht, B., & Schooler, J. W. (under review). Social desirability bias shapes false feedback reliance for mind-wandering reports.
- under review Garg, A., **Shelat, S.**, Gross, M. E., Smallwood, J., Seli, P., Taxali, A., Sripada, C. S., & Schooler, J. W. (under review). Opening the black box: Think Aloud as a method to study the spontaneous stream of consciousness.
- under review **Shelat, S.**, & Giesbrecht, B. (under review). Closed-loop enhancement of response inhibition across attentional states via experience-dependent capture.
- accepted Karasinski, J. A., **Shelat, S.**, & Marquez, J. J. (accepted). Validation of self-scheduling countermeasures in NASA's HERA Campaign 6. *SciTech Forum*. American Institute of Aeronautics and Astronautics.
- 2024 **Shelat, S.**, Schooler, J. W., & Giesbrecht, B. (2024). Predicting attentional lapses using response time speed in continuous performance tasks. *Frontiers in Cognition*, 3.
- 2024 **Shelat, S.**, Marquez, J. J., Zheng, J., & Karasinski, J. A. (2024). Collaborative system usability in spaceflight analog environments through remote observations. *Applied Sciences*, 14(5), 2005.
- 2023 Zheng, J., **Shelat, S.**, & Marquez, J. J. (2023). Facilitating crew-computer collaboration during mixed-initiative space mission planning. *SpaceCHI 3.0, Human-Computer Interaction for Space Exploration*.
- 2022 Marquez, J. J., **Shelat, S.**, & Karasinski, J. A. (2022). Promoting crew autonomy in a human spaceflight Earth analog mission through self-scheduling. *Accelerating Space Commerce, Exploration, and New Discovery Conference, ASCEND*, 4263. American Institute of Aeronautics and Astronautics.
- 2022 **Shelat, S.**, Karasinski, J. A., Flynn-Evans, E. E., & Marquez, J. J. (2022). Evaluation of user experience of self-scheduling software for astronauts: Defining a satisfaction baseline. *Proceedings of the International Conference on Human-Computer Interaction* (pp. 433-445). Springer, Cham.
- 2022 Young, A., Robbins, I., & **Shelat, S.** (2022). From micro to macro: The combination of consciousness. *Frontiers in Psychology*, 1491.

Presentations

POSTERS

- 2024 **Shelat, S.**, & Giesbrecht, B. (2024). Value-driven attentional capture in a continuous performance task with real-time triggering. In *Psychonomic Society's 65th Annual Meeting*.
- 2024 Tzetzio, A. G., **Shelat, S.**, Schooler, J. W., & Protzko, J. (2024). Phantom hurdles. In *Psychonomic Society's 65th Annual Meeting*.
- 2024 **Shelat, S.**, & Giesbrecht, B. (2024). Real-time prevention of response inhibition failures via value-driven attentional capture. In *Institute for Collaborative Technologies: Cognitive Neuroscience Workshop*.
- 2024 **Shelat, S.**, Marome, B., Giesbrecht, B., & Schooler, J. W. (2024). Mind-wandering during encoding impairs recognition for both forgettable and memorable complex scenes. In *Annual Meeting of the Vision Sciences Society*.
- 2024 Tzetzio, A. G., **Shelat, S.**, Schooler, J. W., & Protzko, J. (2024). Unfinished tasks turning into phantom hurdles. In *16th Annual Meeting of the Society for the Science of Motivation*.

TALKS

- 2023 Marquez, J. J., **Shelat, S.**, Zheng, J., & Karasinski, J. A. (2023). Inferring collaboration strategies and usability from remote observations in a spaceflight analog environment. In *14th International Conference on Applied Human Factors and Ergonomics*.
- 2023 Marquez, J. J., Karasinski, J. A., Zheng, J., Bresina, J., & **Shelat, S.** (2023). Crew autonomy through self-scheduling: Guidelines for crew scheduling performance envelope and mitigation strategies. In *Human Research Program Investigators' Workshop 2023*.

Experience

- Sep. 2023 – **Graduate Research Fellow**, Attention Lab & Memory, Emotion, Thought, Awareness Lab
University of California, Santa Barbara, PIs: Dr. Barry Giesbrecht & Dr. Jonathan Schooler
- Jun. 2022 – **Student Researcher**, NASA Ames Research Center, SJSURF
Aug. 2023 Human-Computer Interaction Group, PI: Dr. Jessica Marquez
- Jan. 2021 – **Research Assistant**, Media Neuroscience Lab
Aug. 2022 University of California, Santa Barbara, PI: Dr. Rene Weber
- Mar. 2021 – **Lab Manager**, Memory Emotion, Thought, Awareness Lab
Jun. 2022 University of California, Santa Barbara, PI: Dr. Jonathan Schooler
- Jun. 2021 – **Student Researcher**, NASA Ames Research Center, SJSURF
Sep. 2021 Human-Computer Interaction Group, PI: Dr. Jessica Marquez
- Mar. 2020 – **Research Assistant**, Ashby Lab for Computational Cognitive Neuroscience
Mar. 2021 University of California, Santa Barbara, PI: Dr. Gregory Ashby
- Jun. 2020 – **Student Researcher**, NASA Ames Research Center, SJSURF
Sep. 2020 Increasingly Automated Air Cargo Operations Group, PI: Dr. Richard Mogford

Service

SELECTED MENTEES

- 2024 – **Alexis Clubb**, assistant for SAGE Center for the Study of the Mind, UG Research & Creative Activities applicant
- 2023 – **Brecken Marome**, honors thesis student, UG Research & Creative Activities grant awardee
- 2023 – **Karina Mijangos Guzman**, Promise Scholar, UG Research & Creative Activities applicant

ORGANIZATIONS

- 2024 – **Access Grads Mentor**, mentorship program for undergraduate students interested in pursuing graduate school

Grants, Honors, & Scholarships

- 2023 – 2026 **Graduate Research Fellowship (\$147,000)**, National Science Foundation
- 2024 **Departmental Travel Grant (\$500)**, University of California, Santa Barbara
- 2024 **National Eye Institute Early Career Scientist Travel Grant (\$600)**, Vision Sciences Society
- 2023 **Ames Honor Award**, National Aeronautics and Space Administration
- 2022 **Morgan Award for Research Promise**, University of California, Santa Barbara
- 2022 **Highest Honors at Graduation (top 2.5% of class)**, University of California, Santa Barbara
- 2022 **Exceptional Academic Performance Award**, University of California, Santa Barbara
- 2022 **Distinction in Psychological & Brain Sciences**, University of California, Santa Barbara
- 2020 **UG Research & Creative Activities Grant (\$750)**, University of California, Santa Barbara
- 2019 **Teledyne Presidential Scholarship Award (CA\$5,000)**, Teledyne Technologies