Aditya UPADHYAYULA

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Baltimore, MD

🎓 EDUCATION

August 2016 Present	Johns Hopkins University, BALTIMORE, MD PhD. Psychological & Brain Sciences
August 2016 May 2018	Johns Hopkins University, BALTIMORE, MD M.A. Psychological & Brain Sciences
January 2015 May 2016	North Carolina State University, RALEIGH, NC M.S. Electrical & Computer Engineering
August 2008 May 2013	Birla Institute of Technology & Science, PILANI, India M.Sc. Physics B.E. (Hons) Electronics & Communications Engineering

💼 RESEARCH EXPERIENCE

August 2016 Present	Graduate Student, JOHNS HOPKINS UNIVERSITY, Baltimore, MD Visual Thinking Lab	Advisor : Dr. Jonathan Flombaum
August 2015 May 2016	Graduate Student, NORTH CAROLINA STATE UNIVERSITY, Raleigh, NC Advisor : Dr. David S. Lalush
January 2016 May 2016	Graduate Research Assistant, UNIVERSITY OF NORTH CAROLINA , Chapel Hill, NC Advisor : Dr. Flavio Frohlich
August 2014 December 2014	Research Assistant, INDIAN INSTITUTE OF SCIENCE , Bengaluru, KA Advisor : Dr. Aditya Murthy
Jan 2013 July 2014	Research Assistant, INDIAN INSTITUTE OF SCIENCE , Bengaluru, KA Advisor : Dr. K.V.S. Hari

✏️ TEACHING

Spring 2020	Instructor - Cognitive Neuroscience, Johns Hopkins University
Fall 2019	Instructor - Research Methods, Johns Hopkins University
Spring 2019	Instructor - Design & Experimental Analysis, Johns Hopkins University
Fall 2018	Teaching Assistant - Sensation & Perception, Johns Hopkins University
Spring 2018	Teaching Assistant - Introduction to Cognitive Psychology, Johns Hopkins University
Fall 2017	Teaching Assistant - Introduction to Psychology, Johns Hopkins University

📙 Publications (Manuscripts in prep & Under review)

2020   **Upadhyayula S.A.**, & Flombaum. J.I. (2020). "A model that adopts human fixations explains individual differences in multiple object tracking." Cognition (2020) : 104418.g [link]

2020   **Upadhyayula S.A.**, Ian B. Phillips & Flombaum. J.I. (*In prep*). Space and Time Dissociate in the construction of a Visual Moment

2020   **Upadhyayula S.A.**, Ian B. Phillips & Flombaum. J.I. (*In prep*). Subjective Expansion of Time happens in our immediate memory, but not perceptual experience

📘 Talks & Posters

2020   **Aditya Upadhyayula**,& Neil Cohn. Hierarchical Structure in Processing Visual Narratives : A computational investigation, invited talk as a part of Groningen-Tilburg Workshop on Pictorial Narratives

2020   **Aditya Upadhyayula**,& Neil Cohn. Hierarchical Structure in Processing Visual Narratives : A computational investigation, talk presented part of symposium at CogSci. 2020

2020   **Aditya Upadhyayula**, Ian Phillips & Flombaum. J.I. Space and Time Dissociate in the construction of the Visual Now, talk presented at V-VSS 2020

2020   Ian Phillips, **Aditya Upadhyayula** & Flombaum. J.I. Tachyspychia - subjective expansion of time - happens in immediate memory, and not in perceptual experience, poster presented at V-VSS 2020

2019   **Upadhyayula, Shanmukha**, and Jonathan Flombaum, "Distortions of time perception", presented at Mid Atlantic Memory and Attention conference

2019   **Upadhyayula, Shanmukha**, and Jonathan Flombaum, Two distortions of perceived space and time, presented at Object Perception Attention & Memory (OPAM)

2019   **Upadhyayula, Shanmukha**, and Jonathan Flombaum, The Visual Now across the visual field, presented at Captial Area Cognition Action & Perception

2018   **Upadhyayula, Shanmukha**, and Jonathan Flombaum, "Object size affects multiple object tracking performance (but not via frequency of close encounters)." Journal of Vision 18.10 (2018) : 1020-1020.

▤ Skills

Programming	**Python MATLAB**, **R**, **C**, Javascript, HTML, Java
Operating Systems	MacOs, Linux, Windows
Software	**PyTorch**, **Psychopy**, **Psychtoolbox**, **Plotly**, Tensorflow, Eyelink 1000 plus, EEGLAB

🎓 Honors and Awards

2019   Travel Award, Object Perception Attention and Memory conference

2019   Departmental Collaborative Research Grant Award | Topic : Individual differences in temporal integration of music

2016   Robert S. Waldrop Graduate Student Fellowship
present