Prashant C. Raju

Curriculum Vitae

University of Arkansas
UA Integrative Systems Neuroscience
Department of Physics

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PERSONAL

Born March 20, 1991 in Worcester, Massachusetts
Moved to Orlando, Florida in December 1994
United States Citizen

EDUCATION

B.A. in Computer Science and Mathematics — 2017-20
Columbia University — New York, NY

M.S. in Physics — 2021-24
Advisor: Woodrow L. Shew
University of Arkansas — Fayetteville, AR

POSITIONS

Research Assistant — 2017-20
Columbia University — New York, NY

Research Assistant — 2020-21
Harvard University — Cambridge, MA

Research Assistant — 2021-24
University of Arkansas — Fayetteville, AR

TEACHING

TEACHING ASSISTANT
COLUMBIA UNIVERSITY

CSOR 4231 Analysis of Algorithms	Summer 2019
CSOR 4231 Analysis of Algorithms	Fall 2019
COMS 3261 Computer Science Theory	Spring 2020
CSOR 4231 Analysis of Algorithms	Summer 2020

INSTRUCTOR
UNIVERSITY OF ARKANSAS

PHYS 2031L College Physics 2 Lab (2 sections)	Spring 2022
PHYS 2033 College Physics 2 Drill (2 sections)	Spring 2022
PHYS 2011L College Physics 1 Lab (1 section)	Summer 2022
PHYS 2013 College Physics 1 Drill (1 section)	Summer 2022
PHYS 2011L College Physics 1 Lab (2 sections)	Fall 2022
PHYS 2013 College Physics 1 Drill (3 sections)	Fall 2022
PHYS 2031L College Physics 2 Lab (2 sections)	Spring 2023
PHYS 2033 College Physics 2 Drill (3 sections)	Spring 2023
PHYS 2011L College Physics 1 Lab (3 sections)	Fall 2023
PHYS 2013 College Physics 1 Drill (3 sections)	Fall 2023

ARTICLES

2020

1. Golan, T., **Raju, P. C.**, & Kriegeskorte, N. (2020). Controversial stimuli: Pitting neural networks against each other as models of human cognition. *Proceedings of the National Academy of Sciences*, 117(47), 29330-29337. doi:10.1073/pnas.1912334117 [link, pdf, si, code]

2024

2. Barreiro*, A. K., Fontenele*, A. J., Ly, C., **Raju, P. C.**, Gautam, S. H., & Shew, W. L. (2024). Sensory input to cortex encoded on low-dimensional periphery correlated subspaces. *PNAS Nexus*, 3(1), 2752-6542. doi:10.1093/pnasnexus/pgae010 [link, pdf, si]

CONFERENCES

1. Golan, T., **Raju, P. C.**, & Kriegeskorte, N. (2020). Adjudicating between deep neural network models of biological vision with controversial stimuli. Unpublished conference paper. *Computational and Systems Neuroscience (Cosyne)* Denver, CO. (Poster III-53) [link, poster]
2. Golan, T., **Raju, P. C.**, & Kriegeskorte, N. (2020). Controversial stimuli: adjudicating between deep neural network models of biological vision with synthetic images. *Journal of Vision*, 20 (11), 94 doi:10.1167/jov.20.11.947 [link]

REFERENCES

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* Denotes equal contribution