

**Prashant C. Raju**  
*Curriculum Vitae*

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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
M.S. in Computer Science	2019-20
Columbia University	New York, NY

M.S. in Physics	2021-24
Ph.D. in Physics with Neuroscience concentration	2021-present
<i>Advisor:</i> 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-present
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)  
PHYS 2031L College Physics 2 Lab (2 sections)  
PHYS 2033 College Physics 2 Drill (3 sections)

Fall 2023  
Spring 2024  
Spring 2024

## 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. (in press). Sensory input to cortex encoded on low-dimensional periphery correlated subspaces. *PNAS Nexus*. doi:10.1101/2022.06.15.496327 [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

Nikolaus Kriegeskorte  
*Professor of Psychology, Neuroscience, and Electrical Engineering*  
*Director, Cognitive Imaging*  
Columbia University  
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Christos H. Papadimitriou  
*The Donovan Family Professor of Computer Science*  
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Samuel J. Gershman  
*Professor of Psychology*  
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Woodrow L. Shew  
*Associate Professor of Physics*  
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\* Denotes equal contribution