

Keiland W. Cooper

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Education

University of California, Irvine
Neuroscience, Ph.D.

In progress

Indiana University, Bloomington

May the Fourth, 2019

Cognitive Science B.S. *with Honors*; Neuroscience Cert.

Thesis: Cholinergic modulation may explain hippocampal encoding and retrieval mode switching

Publications

Published

pub, J. J. H., Cooper, K. W., and Newman, E. L. (2019). Medial entorhinal cortex activates in a traveling wave. *BioRxiv*, 632109.

Cooper, K. W. (2018). Can the Machine Understand: An Evidence Based Approach to the Chinese Room. *IU Journal of Undergraduate Research*, 4(1), 82-85

Abstracts

Hernández J, Cooper K.W., Newman E.L. (2018) Is theta a traveling wave in the medial entorhinal cortex?. Program No. 330.10. Society for Neuroscience

Cooper K. W, Dachapally P.R, Jones M.N (2018) Consequences of Catastrophic Forgetting on Semantic Representations Learned by Deep Neural Embedding Models, Midwest CogSci

Cooper K. W., Hernández J, Newman E.L. (2018) Is theta in the Medial Entorhinal Cortex a Traveling Wave? Society for Neuroscience, Greater Indiana Chapter.

Cooper K. W. (2018) 3D Brain Model Extraction and Virtual Applications. (Panelist) Media School Graduate Association Conference.

Cooper K. W. (2018) FlapAI: Genetically Evolved Neural Networks. Midwest Undergraduate Cognitive Science Conference

Cooper K. W. (2017) Bridging the Gap: Natural Computation and Neural Systems. Indiana University Undergraduate Research Conference.

Cooper K. W., Osborn Z. (2016) Downstream Hippocampal Activity Prediction with Neural Networks. Midwest Undergraduate Cognitive Science Conference.

Awards

National Science Foundation, GRFP: <i>Honorable Mention</i>	2019
Cognitive Science Outstanding Research Award, Indiana University	2019
Ewing Prize	2018
Cognitive Science Outstanding Contribution Award, Indiana University	2018
Cognitive Science Research Project Award, Indiana University	2018
Cognitive Science Research Project Award, Indiana University	2017

Networks

Professional Societies

Indiana Academy of Science
Psi Chi
Sigma Xi
Sigma Alpha Pi

Other

Continual AI
Carboncopies, volunteer researcher
Student Organization for Cognitive Science, President
ADAPT Consulting, VP of Project Management

Conference Committee

Learning: Fast, Deep, and Shallow
Midwest Undergraduate Cognitive Science Conference

Pedagogy & Higher Education

Undergraduate Co-Instructor

Autonomous Robotics (CSCI-B355); Indiana University, Spring 2019

Programming in the Cognitive and Info Sciences (COGS-Q 260); Indiana University, Spring 2018

Undergraduate Teaching Assistant

Cognitive Psychology (PSY-P 355); Indiana University, Fall 2018

Introduction to Neuroscience (PSY-P 346), Indiana University, Fall 2017

Committee Seats

Education Policy Committee; Indiana University

Faculty Council; Indiana University

Skillset

<i>Laboratory</i>	JavaScript, Python, PHP
<i>Computational</i>	Node.js/ExpressJS/AngularJS/React/d3.js, Python/PHP, MySQL/MongoDB, Git
<i>IT</i>	js/jQuery, PHP, MySQL, Wordpress/Contao
<i>Teamwork</i>	Git, Linux, Slack/Hipchat, Asana/Pivotal Tracker, Dropbox/Evernote/Trello/Google Docs
<i>Design</i>	Adobe Creative Suite

Outreach & Service

Hoosier Stars (co-founding Director)
Brain Club @ The Boys and Girls Club
Quora Top Writer
IU Science Fest
Kirkwood Observatory Guide
Celebrate Science Indiana

Trainings, Workshops, etc.

Nonlinear dynamics at the santa fe institute
Complexity Science, santa fe institute
Science Communication workshop, Indiana University

Press

Keiland went and did outreach somewhere (2018)
The art of dissemination part 3: Care to share?
Science Communication workshop, Indiana University

Erdős Number: 5

Paul Erdős → Ronald L. Graham → Feng Zhou → Michael J. Kahana → Ehren L. Newman

Who Am I?

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus.

