

MOHAN GUPTA

I'm a postdoctoral researcher in the Psychology department at Princeton University in the Intelligent Performance and Adaptation Laboratory. I primarily investigate how to accelerate piano learning both from theoretical and applied perspectives. I'm also an OpenAI funded researcher.

[Download a PDF of this CV](#)

EDUCATION

2024
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2019

PhD, Experimental Psychology

University of California, San Diego (UCSD)

- Dissertation: When Does Motor Skill Learning Occur?
- Advisor: Timothy C. Rickard; Committee: Timothy C. Rickard, Judith Fan, Hal Pashler, and Taylor Berg-Kirkpatrick

2017
|
2013

B.S., Neuroscience

Michigan State University (MSU)

- Thesis: Mechanisms of the Early Boost Effect

2017
|
2013

B.S., Psychology

MSU

RESEARCH EXPERIENCE

Current
|
2024

Postdoctoral Associate

Intelligent Performance and Adaptation Laboratory
📍 Princeton University

2024
|
2019

Graduate Research Assistant

Cognition and Cognitive Neuroscience Lab 📍 UCSD

2019
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2017

Research Assistant

Cognitive and Clinical Neuroscience Lab
📍 University of California, Los Angeles (UCLA)

2017
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2014

Research Assistant

Digital Humanities and Literary Cognition Lab 📍 MSU

2017
|
2014

Research Assistant

Perception and Attention Lab 📍 MSU

2016
|
2014

Undergraduate Researcher

Visual Agnosia Research Group 📍 MSU

CONTACT

✉ mg9965@princeton.edu

🐦 https://twitter.com/neuro_mo



github.com/mohanwugupta

🌐 mohanwugupta.com

in <https://www.linkedin.com>

[/in/mohan-gupta-phd](#)

-40870872/

LANGUAGE SKILLS

R

Javascript

HTML

CSS

C#

Python

Bash

MATLAB

Dart

E-Prime

FSL

2015
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2015

Visiting Scholar

Neurology and Imaging of Cognition Lab

📍 University of Geneva



PUBLICATIONS

2024
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2024

Gupta, M.W., and Rickard, T.C. No Effects of Spacing, Micro-Consolidation, or Reactive Inhibition on Underlying Motor Sequence Learning (under review)

<https://psyarxiv.com/dnqpg/download?format=pdf>

📍 UCSD

2024
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2024

Gupta, M.W., and Rickard, T.C. Comparison of online, offline, and hybrid hypotheses of motor sequence learning using a quantitative model that incorporate reactive inhibition

<https://www.nature.com/articles/s41598-024-52726-9>

📍 UCSD

2024
|
2024

Gupta, M.W., and Rickard, T.C. No Testing Effect for Word-Location Pairs (under review)

<https://psyarxiv.com/dkuvp/download?format=pdf>

📍 UCSD

2023
|
2023

Gupta, M.W., Pan, S.C., and Rickard, T.C. Interaction between the testing and forward testing effects in the case of Cued-Recall: Implications for Theory, individual difference Studies, and application

<https://www.sciencedirect.com/science/article/pii/S0749596X2300075X>

📍 UCSD

2022
|
2022

Currin, D., Hart, K., Gupta, M.W., Patel, P. Leathem, L., Karlsgodt, K.H.

[sciencedirect.com/science/article/pii/S0022395622005210](https://www.sciencedirect.com/science/article/pii/S0022395622005210)

📍 UCSD

2022
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2022

Gupta, M.W., Pan, S.C., and Rickard, T.C. Severe publication bias contributes to illusory sleep consolidation in the motor sequence learning literature.

https://sc-pan.github.io/pdf/RPG_2021.pdf

📍 UCSD

2022
|
2022

Gupta, M.W., and Rickard, T.C. Dissipation of reactive inhibition is sufficient to explain post-rest improvements in motor sequence learning

<https://www.nature.com/articles/s41539-022-00140-z>

📍 UCSD

2021
|
2021

Rickard, T.C., Pan, S.C., and Gupta, M.W. Severe Publication Bias Contributes to Illusory Sleep Dependent-Gains in the Motor Sequence Learning Literature

https://sc-pan.github.io/pdf/RPG_2021.pdf

📍 UCSD

2021
|
2021

Gupta, M.W., and Rickard, T.C. Prior Learning and the Efficacy of Retrieval Practice

<https://www.mohanwugupta.com/files/Gupta-Pan-Rickard-2021.pdf>

📍 UCSD

2020
|
2020

Jolles, D. D., Mennigen, E., Gupta, M. W., Hegarty, C. E., Bearden, C. E., & Karlsgodt, K. H. (2020). Relationships between intrinsic functional connectivity, cognitive control, and reading achievement across development. *NeuroImage*, 221, 117202.

<https://www.mohanwugupta.com/files/reading-func-dev-neuro.pdf>

📍 UCLA

2019
|
2019

Mennigen, E., Jolles, D., Hegarty C., Gupta M.W., Jalbrzikowski M., Loohuis L.O., Ophoff R., Karlsgodt K.H., and Bearden C. State-Dependent Functional Dysconnectivity in Youth with Psychosis Spectrum Symptoms. *Schizophrenia Bulletin*. June 20, 2019.

<https://www.mohanwugupta.com/files/func-dys-youth-psych.pdf>

📍 UCLA



INVITED TALKS

2023
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2023

Online vs. Offline Motor Learning: A Case Against Consolidated Enhanced Learning

CogFog

📍 UCLA

2023
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2023

When the Forward Testing Effect Confounds the Testing Effect: Implications for Theory and Individual Differences

Brown Bag

📍 UCSD

2021
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2021

Online v. Offline Motor Learning

Brown Bag

📍 UCSD

2019
|
2019

Machine Learning in R

Data Science

📍 UCSD

2019
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2019

Predicting the Psychosis Spectrum and Issues with Heterogenous Data

Neuroimaging Affinity

📍 UCLA



SELECTED POSTERS

2018
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2018

Multivariate Pattern Analysis in Psychotic-like Experiences, Gupta, M.W., Mumford, J., Barber, A., Moyett, A., Blair, M., and Karlsgodt, K.H

Society for Neuroscience

📍 UCLA

2017
|
2017

Neural Networks During a Natural Reading fMRI Investigation, Gupta, M.W., Grasser, L., Kabbash, M., and Phillips, N

Posters on the Hill

📍 MSU

- 2017
|
2017
- Mechanisms of the Early Boost Effect, Gupta, M.W. and Becker, M.**
Senior Thesis Forum  MSU
- 2016
|
2016
- Functional Connectivity and Attention Patterns in Reading. Gupta, M.W., Grasser, L., and Phillips, N.**
Michigan Society for Neuroscience  MSU
- 2015
|
2015
- Implicit Learning in Early Boost and Spaced Motor Learning, Gupta, M.W., and Debarnot, U.**
Karolinska Institute  University of Geneva
- 2015
|
2015
- 2-D Processing Deficits Observed in a Case Study of Apperceptive Visual Agnosia, Bruce, K., Distin, M., Gupta, M.W., Joyce, M., Rahilly, G., Rapp, R., Rohl, C., and Symonds, L.**
Mid-Michigan Symposium for Undergraduate Research Experiences  MSU

TEACHING EXPERIENCE

- 2023
|
2023
- PSYC 168: Psychological Childhood Disorders**  UCSD
- TA and lectured
- 2023
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2023
- PSYC 2: Biological Foundations**  UCSD
- TA and lectured
- 2023
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2023
- PSYC 131: Scientific Racism**  UCSD
- TA and lectured
- 2023
|
2023
- PSYC 108: Cognitive Neuroscience**  UCSD
- TA and lectured
- 2023
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2021
- PSYC 191: Sleep**  UCSD
- TA and lectured
- 2022
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2022
- PSYC 105: Cognitive Psychology**  UCSD
- TA and lectured
- 2022
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2021
- PSYC 124: Clinical Assessment/Treatment**  UCSD
- TA and lectured

2022
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2021

PSYC 105: Cognitive Psychology

📍 UCSD

• TA and lectured

2021
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2021

PSYC 162: Psychology and Law

📍 UCSD

• TA and lectured

2021
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2021

PSYC 106: Behavioral Neuroscience

📍 UCSD

• TA and lectured

2020
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2020

Psyc 3: Cognitive Foundations

📍 UCSD

• TA and lectured

2020
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2020

PSYC 71: Lab/Psych Research Methods

📍 UCSD

• TA and lectured

2019
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2019

PSYC 60: Introduction to Statistics

📍 UCSD

• TA and lectured

2017
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2017

STT 200: Statistical Methods

📍 MSU

• TA

2017
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2017

PSY 209: Brain and Behavior

📍 MSU

• TA



COURSE CREATION

2020
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2020

Psychological Science Mentorship

UCSD

📍 UCSD

• Created course materials for a psychological science class for mentoring middle school students



TEXTBOOKS

2023
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2023

A Modern Guide to Understanding and Conducting Research in Psychology

UCSD

📍 UCSD

- Wrote and edited two chapters (Ch. 2 & 6) on how to start in research and complex experimental designs for an open source textbook.
- <https://pilegard.github.io/cogfoundations/>

2022
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2022

Cognitive Foundations

UCSD

📍 UCSD

- Wrote and edited a chapter on long-term memory (Ch. 5) for an open source textbook. Technical member for organizing the book in R Bookdown.
- <https://pilegard.github.io/cogfoundations/>



MENTORSHIP

current
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2023

James Ashby

UCSD

2023
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2022

Siyuan Liu

UCSD

- PhD Student at UCSD

2021
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2020

Alicia Assang

UCSD

2021
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2020

Shalom Chen

UCSD

- Research Specialist at UPenn

2021
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2021

Aditya Ashar

UCSD

2021
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2021

Therese Casem

UCSD

2021
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2021

Jonathan Thio

UCSD

2020
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2019

Danlin Liu

UCSD

2020
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2019

Fanqi Kong

UCSD

2019
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2018

Mengtong Pan

UCLA

2019
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2018

Mary Rshtouni

UCLA

• PhD Student at UCLA

2019
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2018

Molly Patapoff

UCLA

2019
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2018

Claire Waller

UCLA

2019
|
2018

Theresia Dadalias

UCLA

2017
|
2015

Micheal Kabbash

MSU

• General Resident Surgeon at VA

2017
|
2016

Addison Wood

MSU

2017
|
2016

Derrick Dwamena

MSU

• Lab Manager at Duke

2017
|
2016

Jacob Frazier

MSU

2017
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2016

Viktoria Teneqexhi

MSU

2016
|
2014

Philip Dooley

MSU

2015
|
2014

Jasdeep Bathla

MSU



AWARDS AND SCHOLARSHIPS

2017
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2016

Interfraternity Council Scholarship

2016
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2013

MCH Michigan Competitive Scholarship

2015
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2015

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2013
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2013

MSU College of Natural Science Study Abroad Scholarship

Eustace-Cole Study Abroad Award

Cole Excellence Award

Honors College Research Scholarship

Cole, Jeffrey Honors College Enrichment Award

MSUFCU Study Abroad Scholarship

Freshman Seminar Award

Case A.H. Scholarship



COMMUNUNITY ENGAGEMENT

2023
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2022

Diversifying Psychology Event

UCSD

- Organized and presented during a two day workshop targeting URM students applying to psychology PhD programs

2023
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2023

Psychology Day

UCSD

- Organized a class of 45 highschool students to visit 10 different labs.

2023
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2020

Outreach Officer

UCSD

- Founded the outreach program for the UCSD psychology department
- Organized outreach events to highschools
- Developed materials and created relationships with nearby high school teachers

2023
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2023

Bytes of AI: AI & Music

UCSD

- Created an educational video about AI, music, and accompaniment

2023
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2020

Pathways to PhD

UCSD

· Organizer and Presenter

2021
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2021

Memory and Learning Research Presentation

San Diego High School

2021
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2021

Memory and Learning Research Presentation

Kearney BST High School

2020
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2019

Taste of Sciece

San Diego

2019
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2019

Cover Letter Workshop

UCSD

2019
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2019

Westwood Charter Science Slam

2019
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2018

UCLA Brain Awareness Week

2019
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2018

MSU Brain Awareness Week

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2016

Donley Elementary School Science Nights

2017
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2016

East Lansing School Science Nights

2017
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2016

MSU GATE Neuroscience Camp

2017
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2016

Boys and Girls Club of Lansing

2017
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2015

MSU Food Bank

2017
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2014

MSU Jonors College Panel

2017
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2017

MSU Neuroscience Fair

2016
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2014

PhUn Week

2016

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2014

2015

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2015

Habitat for Humanity

MSU Neuroscience Student Panel

Made with the R package [pagedown](#).

The source code is available:
[on github.com/nstrayer/cv](https://github.com/nstrayer/cv).

Last updated on 2024-06-10.