Marissa H Evans
New York
(917) 863-3325
marissahevans@gmail.com
marissahevans.com

Education and Research:

2020 - 2025, current PhD in Psychology, New York University
Program: Cognition and Perception, Quantitative Concentration
Research focus: Computational models of motor confidence, learning, and control.
Supervisor: Michael S Landy, Ph.D.

2024 Visiting Researcher, Princeton University
Intelligent Performance and Adaptation Laboratory
Supervisor: Jordan A. Taylor, Ph.D.

2018 - 2020 Master of Arts, Major: Psychology, New York University
Thesis title: *Effector selectivity for movement planning in human parietal and frontal cortex*
Supervisors: Clayton Curtis, Ph.D. & Wei Ji Ma, Ph.D.

2007 - 2011 Bachelor of Fine Arts, Majors: Psychology & Studio Art, New York University

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Publications:

Duan Z., Evans M.H., Lawrence B., Curtis C.E. (2025) Effector general movement planning in human frontal and parietal cortex. NeuroImage
https://doi.org/10.1016/j.neuroimage.2025.121124

Fassold (Evans) M.E., Locke S.M., Landy M.S. (2023) Feeling lucky? Prospective and retrospective cues for sensorimotor confidence. PLoS Comput Biol 19(6): e1010740.
https://doi.org/10.1371/journal.pcbi.1010740

Conferences:

Talk: Evans, M., Taylor, J., Landy, M. Implicit adaptation's effect on motor awareness and confidence. Presented at *Vision Sciences Society 2025,* Action Section, St. Pete's Beach, FL.

Talk: Fassold (Evans), M., Landy, M. Vision and proprioception's influence on sensorimotor confidence during adaptation. Presented at *International Multisensory Research Forum 2024*, Reno, NV.

Talk: Fassold (Evans), M., Landy, M. Bayesian models of sensorimotor confidence. Presented at *Annual Symposium in Computational Neuroscience 2024*, New York, NY.

Poster: Fassold (Evans), M., Landy, M. Effects of sensorimotor adaptation on confidence. Presented at *Vision Sciences Society 2024*, St. Pete's Beach, FL.

Poster: Fassold (Evans), M., Landy, M. Plasticity of sensorimotor confidence during motor adaptation. Presented at *Neural Control of Movement 2024*, Dubrovnik, Croatia.

Talk: Fassold (Evans), M., Locke, S., Landy, M. Prospective and Retrospective Cues for Sensorimotor Confidence. Presented at *Advances in Motor Learning & Motor Control 2023 (SfN satellite event)*, Washington DC.

Talk: Evans, M., Locke, S., Landy, M. Prospective and Retrospective Cues for Sensorimotor Confidence in a Reaching Task. Presented at *Vision Sciences Society 2022,* Perception and Action Section, St. Pete's Beach, FL.

Poster: Evans, M., Yoo, A., Ma, W. Optimal use of uncertainty in working memory; the maintenance and uncertainty in visual working memory during orientation change detection. Presented at *2019 NYU Master's Research Conference*, New York, NY. Award winner.

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Teaching:

Undergraduate Math and Coding Bootcamp, Python, Functions & Probability Instructor 2024 NYU
Matlab & Python Coding Bootcamp (PhD), primary instructor Summer 2022, 2023 & 2024 NYU
MathTools (PhD) with Professor Simoncelli and Professor Landy, teaching assistant Fall 2022 NYU
Python Programming (undergraduate) with Professor Hilford, teaching assistant Fall 2020 NYU
Perception (undergraduate) with Professor Landy, teaching assistant Fall 2019 NYU
Cognition (undergraduate) with Professor McElree, teaching assistant Spring 2019 NYU

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Fellowships, Awards and Honors:

2024 Training Program in Computational Neuroscience (TPCN) Trainee, National Institutes of Health (NIH)
2020-2025 Henry M. MacCracken Fellowship; Graduate School of Arts and Sciences, NYU
2019 NYU Master's Service Award for Outstanding Community Service
2018 - 2020 President of the NYU Graduate Cognition & Perception Journal Club

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Skills and Qualifications:

Programming and Analysis; Matlab, Python, R, C#, Unity, PsychToolbox, PsychoPy, PyTorch
Advanced Math; Bayesian Modeling, Linear Algebra, Machine Learning, Neural Networks, SDT,
          Sampling and Simulation, Statistics, Fourier Systems, Signal Processing, Psychophysics
Neural Imaging; fMRI Level 2 Operator, fMRI Analysis Packages, FSL, Freesurfer, TMS
Behavioral Research; *EyeLink* Eye Tracking, Motion Tracking, FreeMoCap, CITI Human
          Subjects, Experimental Design
General; Team Management, Photography, Adobe Suite, Illustration, Graphic Design

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Speaking Engagements:

2022 Guest Speaker/Panelist
Yale Psychology Department and Johns Hopkins Psychological and Brain Sciences Department
Research Psychology Bootcamp: Research Experience and Applying to Graduate School

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Professional Experience:

2015 - 2018 Production Director, Milk Studios New York
Head of in-house production for New York's premiere photography studio. Managed a team of eight and produced up to twelve separate shoots per day. Interfaced with high profile clients daily and oversaw the maintenance of lighting & grip equipment ranging from ordering parts to hands on repairs.

2013 - 2015 Purchasing Manager, Milk Studios, New York
Responsible for the stocking, organizing, and ordering of all purchased items; including expendables such as photographic and office supplies, repair parts, and lighting (industrial and

commercial), as well as photographic and technical equipment, tools and furniture. Acquired and maintained relationships with vendors, tracked and approved PO's through DocuVantage, and submitted monthly expense reports.

2012 - 2013 Client Services Coordinator, Milk Studios, New York
Liaison for clients, talent and VIP's. Organized transportation and arrival strategies specific to each group's needs, including express elevators and crowd control. Made sure all guests' needs were met once in the studio and helped facilitate special requests such as the acquisition and delivery of special props, custom amenities and floor plan changes.

2010 - 2012 Beverage Director, Gwynnett St, New York
Nominated by Tales of the Cocktail for Top Ten Restaurant Bars in the World in 2012. Designed a custom cocktail and wine program with weekly updates using fresh and seasonal ingredients. Wrote menu copy, maintained social media presence and kept the website current.