Last updated May 15, 2023

Owen Morgan

Cornell University, Department of Psychology
Experience and Cognition Lab
opm6@cornell.edu

Education

2020 – Now | **PhD Student, Psychology/Cognitive Science**
Cornell University, *Ithaca, New York*
Advisor: Daniel Casasanto. Major in Developmental Psychology, Minor in Cognitive Science.

2013 – 2017 | **BA in Liberal Arts**
St. John's College, *Annapolis, Maryland*
All-required curriculum based on closely reading original sources; equivalent to a double major in Philosophy, and the History of Mathematics and Science.

Professional Experience

2017 – 2020 | **Research Assistant, Cognitive Neuropsychiatric Research Laboratory**
Johns Hopkins University School of Medicine, *Baltimore, Maryland*
Studied the cerebellum's role in cognition and conducted several fMRI projects under the mentorship of Cherie Marvel.

Summers 2016 2015 | **Research Assistant, Blumenfeld Lab**
Yale Medical School, *New Haven, Connecticut*
Studied conscious visual perception under the mentorship of Hal Blumenfeld.

Publications

Peer-reviewed Papers

2022 Iannuzzelli, Katherine, Shi, Rosa, Carter, Reece, […], **Morgan, Owen P.**, et al. 2022. "The association between educational attainment and SCA 3 age of onset and disease course." In: *Parkinsonism & Related Disorders*, pp. 99–102.

Joyce, Michelle R., Nadkarni, Prianca A., Kronemer, Sharif I., […], **Morgan, Owen P.**, et al. 2022. "Quality of life changes following the onset of cerebellar ataxia: Symptoms and concerns self-reported by ataxia patients and informants." In: *The Cerebellum*, pp. 592–605.

Kronemer, Sharif I., Aksen, Mark, Ding, Julia Z., […], **Morgan, Owen P.**, et al. 2022. "Human visual consciousness involves large scale cortical and subcortical networks independent of task report and eye movement activity." In: *Nature Communications*, p. 7342.

Marvel, Cherie L., Alm, Kylie H., Bhattacharya, Deeya, […], **Morgan, Owen P.**, et al. 2022. "A multimodal neuroimaging study of brain abnormalities and clinical correlates in post treatment Lyme disease." In: *PLOS ONE*, e0271425.

Marvel, Cherie L., Chen, Lin, Joyce, Michelle R. **Morgan, Owen P.**, et al. 2022. "Quantitative susceptibility mapping of basal ganglia iron is associated with cognitive and motor functions that distinguish spinocerebellar ataxia type 6 and type 3." In: *Frontiers in Neuroscience*.

Monick, Andrew J., Joyce, Michelle R., Chugh, Natasha, […], **Morgan, Owen P.**, et al. 2022. "Characterization of basal ganglia volume changes in the context of HIV and polysubstance use." In: *Scientific Reports*, p. 4357.

2021 Kronemer, Sharif I., Slapik, Mitchell B., Pietrowski, Jessica R., […], **Morgan, Owen P.**, et al. 2021. "Neuropsychiatric symptoms as a reliable phenomenology of cerebellar ataxia." In: *The Cerebellum*, pp. 141–150.

Morgan, Owen P., Slapik, Mitchell B., Iannuzzelli, Katherine G., et al. 2021. "The cerebellum and implicit sequencing: Evidence from cerebellar ataxia." In: *The Cerebellum*, pp. 222–245.

2019 Marvel, Cherie L., **Morgan, Owen P.**, and Kronemer, Sharif I. 2019. "How the motor system integrates with working memory." In: *Neuroscience & Biobehavioral Reviews*, pp. 184–194.

Slapik, Mitchell B., Kronemer, Sharif I., **Morgan, Owen P.**, et al. 2019. "Visuospatial organization and recall in cerebellar ataxia." In: *The Cerebellum*, pp. 33–46.

Presentations

Talks

2023 **Morgan, Owen P.** and Casasanto, Daniel. July 2023. "Frequency Asymmetries in Vision and Action." Talk (Upcoming). 45th Annual Conference of the Cognitive Science Society. Sydney, Australia.

Morgan, Owen P. and Casasanto, Daniel. May 2023. "Frequency Asymmetries in Vision and Action." Talk. Cognitive Science @ Cornell Grad Convo Info Blitz. Cornell University, Ithaca, USA.

2022 **Morgan, Owen P.** and Casasanto, Daniel. May 2022. "Handedness and creativity: Facts and fictions." Talk. The Art and Science of Thinking: A Transdisciplinary Workshop. Cornell University, Ithaca, USA.

2021 **Morgan, Owen P.**, Slapik, Mitchell B., Iannuzzelli, Katherine G., et al. May 2021. "Motor and cognitive sequencing in cerebellar ataxia." Hot Chair Talk. National Ataxia Foundation's 9th Ataxia Investigators Meeting. Virtual.

2020 **Morgan, Owen P.**, Slapik, Mitchell B., Iannuzzelli, Katherine G., et al. Jan. 2020. "The cerebellum and sequencing in motor and cognitive domains: Evidence from cerebellar ataxia." Talk presented at Sensorimotor Day. Johns Hopkins University, Baltimore, USA.

2019 **Morgan, Owen P.**, Lisinski, Jonathan M., LaConte, Stephen M., et al. June 2019. "Basal ganglia-cerebellar impact on performance after motor imagery with real-time fMRI neurofeedback." Oral Session. Organization for Human Brain Mapping Annual Meeting. Rome, Italy.

Morgan, Owen P., Lisinski, Jonathan M., LaConte, Stephen M., et al. Feb. 2019. "Cerebellar-basal ganglia interaction in Real-time fMRI neurofeedback for rehabilitation." Presentation to the faculty and staff of the Johns Hopkins Ataxia Clinic. Baltimore, USA.

2018 **Morgan, Owen P.**, Creighton, Jason A., Slapik, Mitchell B., et al. Nov. 2018. "Neural correlates of value-driven attentional capture in addiction." Nanosymposium Session. Society for Neuroscience. San Diego, USA.

Morgan, Owen P., Slapik, Mitchell B., Kronemer, Sharif I., et al. Apr. 2018. "Motor-cognitive multitasking in cerebellar ataxia." Presentation to the faculty and staff of the Johns Hopkins Ataxia Clinic. Baltimore, USA.

Talks (contributed)

2018 Slapik, Mitchell B., **Morgan, Owen P.**, Creighton, Jason A., et al. Nov. 2018. "Timing and sequencing in cerebellar ataxia." Nanosymposium Session. Society for Neuroscience. San Diego, USA.

Marvel, Cherie L., Creighton, Jason A., **Morgan, Owen P.**, et al. 2018. "Cerebro-cerebellar contributions to working memory in early Lyme disease." Oral Session. International Society of Behavioral Neuroscience. Anchorage, USA.

Slapik, Mitchell B., **Morgan, Owen P.**, and Marvel, Cherie L. 2018. "Language abilities in cerebellar ataxia." Presentation to the faculty and staff of the Johns Hopkins Ataxia Clinic. Baltimore, USA.

2017 Slapik, Mitchell B., Kronemer, Sharif I., **Morgan, Owen P.**, et al. Jan. 2017. "Visuospatial organization and recall in cerebellar ataxia." Talk presented at Sensorimotor Day. Johns Hopkins University, Baltimore, USA.

2016 Kronemer, Sharif I., Xiao, Wendy R., Gober, Leah, […], **Morgan, Owen P.**, et al. June 2016. "The cortical event-related potential and alpha wave signatures for visual consciousness." Talk. ASSC 20. Buenos Aires, Argentina.

Xiao, Wendy R., Kronemer, Sharif I., Gober, Leah, […], **Morgan, Owen P.**, et al. June 2016. "An organized wave of intracranial broadband gamma activity during the first second of conscious visual perception." Talk. ASSC 20. Buenos Aires, Argentina.

Posters

2022 **Morgan, Owen P.** and Casasanto, Daniel. July 2022. "Handedness and creativity: Facts and fictions." Poster Session. 44th Annual Conference of the Cognitive Science Society. Toronto, Canada.

2019 **Morgan, Owen P.**, Slapik, Mitchell B., Kronemer, Sharif I., et al. Nov. 2019. "Motor-cognitive multitasking in Machado-Joseph's disease." Poster Session. International MJD Research Conference. Washington, DC, USA.

2018 **Morgan, Owen P.**, Slapik, Mitchell B., Kronemer, Sharif I., et al. Apr. 2018. "Motor-cognitive multitasking in cerebellar ataxia." Poster Session. National Ataxia Foundation's 7th Ataxia Investigators Meeting. Philadelphia, USA.

Posters (contributed)

2022 Marvel, Cherie L., **Morgan, Owen P.**, Lisinski, Jonathan M., et al. Oct. 2022. "Real-time fMRI neurofeedback improves finger tapping precision: A feasibility study to improve fine motor skills in movement disorders." Poster Session. Real-Time Functional Imaging and Neurofeedback Meeting (rtFIN) 2022. New Haven, USA.

2019 LaConte, Stephen, Lisinski, Jonathan, **Morgan, Owen P.**, et al. June 2019. "Harnessing the imagined: Developing motor imagery for real-time fMRI-based therapy." Poster Session. Organization for Human Brain Mapping Annual Meeting. Rome, Italy.

2018 Marvel, Cherie L., Creighton, Jason A., **Morgan, Owen P.**, et al. May 2018. "An fMRI study of cognition in early post-treatment Lyme disease." Poster Session. Society for Neuroscience. San Diego, USA.

Slapik, Mitchell B., Pietrowski, Jessica, **Morgan, Owen P.**, et al. Apr. 2018. "A Characterization of language impairment in cerebellar ataxia." Poster Session. National Ataxia Foundation's 8th Ataxia Investigators Meeting. Philadelphia, USA.

2017 Ding, Jackson, Prince, Jacob S., Forman, Sarit **Morgan, Owen P.**, et al. Nov. 2017. "Machine learning to predict conscious visual perception using pupillary dynamics." Poster Session. Society for Neuroscience. Washington, DC, USA.

2016 Kronemer, Sharif I., Xiao, Wendy R., Gober, Leah, […], **Morgan, Owen P.**, et al. Nov. 2016. "Intracranial cortical event-related potentials and alpha wave gating of visual consciousness." Poster Session. Society for Neuroscience. San Diego, USA.

Wafa, Adil S., Kiely, Bridget, Xiao, Wendy R., […], **Morgan, Owen P.**, et al. Nov. 2016. "Machine learning to predict pupillary dynamics in conscious visual perception." Poster Session. Society for Neuroscience. San Diego, USA.

Xiao, Wendy R., Kronemer, Sharif I., Gober, Leah, […], **Morgan, Owen P.**, et al. Nov. 2016. "Broadband gamma activity in the formation of a conscious visual experience in humans." Poster Session. Society for Neuroscience. San Diego, USA.

Honors and Awards

2023 | **Glushko & Samuelson Student Travel Grant**
Will fund travel to 45th Conference of the Cognitive Science Society, Sydney.

| **Cognitive Science @ Cornell Graduate Research Award**
Funded data collection for a study on frequency asymmetry in vision.

2022 | **Cornell Graduate School Travel Grant**
Funded travel to 44th Conference of the Cognitive Science Society, Toronto.

| **Cognitive Science @ Cornell Travel Award**
Funded travel to 44th Conference of the Cognitive Science Society, Toronto.

2020 | **Travel Award for 9th Ataxia Investigators Meeting (Conference moved online)**
Awarded to abstracts selected for "hot chair" presentation. Award cancelled; conference moved online due to COVID-19.

2017 | **Pathways Fellowship**
Funded Neurobiology course at Harvard Extension Summer School.

2016
2015 | **Hodson Trust Internship Grant**
Funded summer research on conscious visual perception at Yale University.

Teaching and Mentorship

2021 – now | **Research Assistant Mentorship at Cornell**
Cornell University, *Ithaca, New York*
Supervised and mentored Mahek Majithia, Madelyn Minor, Benjamin Dever-Mendenhall, and Jeffrey Iyamah on experimental and meta-analysis projects.

Spring 2023 | **TA, Human Perception: Applications to Computer Graphics, Art, and Visual Display (COGST 3420)**
Cornell University, *Ithaca, New York*
Instructor: David Field.

Fall 2022, 2020 | **TA, Human Brain and Mind: Introduction to Cognitive Neuroscience (HD 2200)**
Cornell University, *Ithaca, New York*
Instructor: Daniel Casasanto.

Summer 2022 | **TA, Introduction to Cognitive Science (COGST 1101)**
Cornell University, *Ithaca, New York*
Instructor: Adam Broitman. Gave guest lecture on cognitive neuroscience of consciousness.

Spring 2022 | **TA, Gender and Psychopathology (HD 3320)**
Cornell University, *Ithaca, New York*
Instructor: Lauren Korfine.

Fall 2021 | **TA, Research Methods (HD 2380)**
Cornell University, *Ithaca, New York*
Instructor: Lauren Korfine. Gave guest lecture on scientific writing.

Spring 2021 | **TA, Adolescence (HD 1170)**
Cornell University, *Ithaca, New York*
Instructor: Robert Sternberg.

2018 – 2020 | **Research Assistant Mentorship at JHU**
Johns Hopkins University School of Medicine, *Baltimore, Maryland*
Supervised and mentored Bronte Wen, Deeya Bhattacharya, and Nikita Gupta on fMRI analysis projects.

2014 – 2017 | **Lab Assistant**
St. John's College, *Annapolis, Maryland*
Worked with professor to lead class discussions; set up, demonstrated, and explained historical experiments from biology, physics, and chemistry.

Technical Skills

fMRI: Collection and quality assurance (3T, 7T), preprocessing, whole brain and ROI analyses (SPM)

Eye-tracking: Collection, preprocessing, analysis

Scripting: R/tidyverse, Python, MATLAB

Task development: Python/PsychoPy, ePrime, Inquisit

Online data collection: Prolific, Qualtrics, Inquisit Web

Data visualization: R/ggplot, Inkscape/Illustrator

Markup: LaTeX, RMarkdown

OS: Linux, Windows, MacOS

Spoken Languages

English: Native

Spanish: Full professional proficiency (ILR scale)

Source code for this CV