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# Owen Morgan

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## Education

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| 2020 – Now  | <b>PhD Student, Psychology/Cognitive Science</b><br>Cornell University, <i>Ithaca, New York</i><br>Committee: Daniel Casasanto (chair), Jesse Goldberg, Felix Thoemmes. Major in Developmental Psychology, Minor in Cognitive Science.    |
| 2013 – 2017 | <b>BA in Liberal Arts</b><br>St. John's College, <i>Annapolis, Maryland</i><br>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

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| 2017 – 2020          | <b>Research Assistant, Cognitive Neuropsychiatric Research Laboratory</b><br>Johns Hopkins University School of Medicine, <i>Baltimore, Maryland</i><br>Studied the cerebellum's role in cognition and conducted several fMRI projects under the mentorship of Cherie Marvel. |
| Summers 2016<br>2015 | <b>Research Assistant, Blumenfeld Lab</b><br>Yale Medical School, <i>New Haven, Connecticut</i><br>Studied conscious visual perception under the mentorship of Hal Blumenfeld.  |

## Publications

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### Conference Papers

- 2023 **Morgan, Owen P.** and Casasanto, Daniel. July 2023. "Frequency Asymmetries in Vision and Action." In: *Proceedings of the Annual Meeting of the Cognitive Science Society*. Vol. 45.

### Journal Articles

- 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

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### 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

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| 2023         | <b>Martha E. Foulk and Ethel B. Waring Fellowships</b><br>Research fellowship providing funding for Fall Semester.  |
|              | <b>Glushko &amp; Samuelson Student Travel Grant</b><br>Funded travel to 45th Conference of the Cognitive Science Society, Sydney.   |
|              | <b>Cognitive Science @ Cornell Travel Award</b><br>Funded travel to 45th Conference of the Cognitive Science Society, Sydney.   |
|              | <b>Cornell Graduate School Travel Grant</b><br>Funded travel to 45th Conference of the Cognitive Science Society, Sydney.   |
|              | <b>Cognitive Science @ Cornell Graduate Research Award</b><br>Funded data collection for a study on frequency asymmetry in vision.  |
| 2022         | <b>Cornell Graduate School Travel Grant</b><br>Funded travel to 44th Conference of the Cognitive Science Society, Toronto.  |
|              | <b>Cognitive Science @ Cornell Travel Award</b><br>Funded travel to 44th Conference of the Cognitive Science Society, Toronto.  |
| 2020         | <b>Travel Award for 9th Ataxia Investigators Meeting (Conference moved online)</b><br>Awarded to abstracts selected for "hot chair" presentation. Award cancelled; conference moved online due to COVID-19. |
| 2017         | <b>Pathways Fellowship</b><br>Funded Neurobiology course at Harvard Extension Summer School.  |
| 2016<br>2015 | <b>Hodson Trust Internship Grant</b><br>Funded summer research on conscious visual perception at Yale University.   |

## Teaching and Mentorship

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### Teaching Assistantships

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| Spring 2023 | <b>TA, Human Perception: Applications to Computer Graphics, Art, and Visual Display (COGST 3420)</b><br>Cornell University, <i>Ithaca, New York</i><br>Instructor: David Field. |
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Fall 2022, 2020	<b>TA, Human Brain and Mind: Introduction to Cognitive Neuroscience (HD 2200)</b> Cornell University, <i>Ithaca, New York</i> Instructor: Daniel Casasanto.
Summer 2022	<b>TA, Introduction to Cognitive Science (COGST 1101)</b> Cornell University, <i>Ithaca, New York</i> Instructor: Adam Broitman.
Spring 2022	<b>TA, Gender and Psychopathology (HD 3320)</b> Cornell University, <i>Ithaca, New York</i> Instructor: Lauren Korfine.
Fall 2021	<b>TA, Research Methods (HD 2380)</b> Cornell University, <i>Ithaca, New York</i> Instructor: Lauren Korfine.
Spring 2021	<b>TA, Adolescence (HD 1170)</b> Cornell University, <i>Ithaca, New York</i> Instructor: Robert Sternberg.
2014 – 2017	<b>Lab Assistant</b> St. John's College, <i>Annapolis, Maryland</i> Worked with professors to lead class discussions; set up, demonstrated, and explained historical experiments from biology, physics, and chemistry.

### Guest Lectures

Summer 2022	<b>Introduction to Cognitive Science (COGST 1101)</b> Cornell University, <i>Ithaca, New York</i> "The Cognitive Neuroscience of Consciousness"
Fall 2021	<b>Research Methods (HD 2380)</b> Cornell University, <i>Ithaca, New York</i> "Scientific Writing"

### Mentorship

2021 – Now	<b>Research Assistant Supervision (Cornell)</b> Cornell University, <i>Ithaca, New York</i> Sanyum Dalal, Benjamin Dever-Mendenhall, Jeffrey Iyamah, Rebecca Karpel, Mahek Majithia, Madelyn Minor, and Kira Pawletko.
2018 – 2020	<b>Research Assistant Supervision (JHU)</b> Johns Hopkins University School of Medicine, <i>Baltimore, Maryland</i> Bronte Wen, Deeya Bhattacharya, and Nikita Gupta.

### Technical Skills

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**fMRI:** Collection and quality assurance (3T, 7T), preprocessing, analysis (SPM)

**Eye-tracking:** Collection, preprocessing, analysis

**Scripting:** R/tidyverse, Python, MATLAB

**Data visualization:** R/ggplot, Inkscape, Illustrator

**Task development:** Python/PsychoPy, ePrime, Inquisit

**Online data collection:** Prolific, Qualtrics, Inquisit Web

**Web:** HTML/CSS, JavaScript/TypeScript, Django

**Markup:**  $\LaTeX$ , RMarkdown

**OS:** Linux, Windows, MacOS

## Spoken Languages

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**English:** Native

**Spanish:** Full professional proficiency (ILR scale)

[Source code for this CV](#)