

# David Michael Nolta Garavito

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**Career Goal** To obtain the education and employment experience necessary for achieving an academic career that integrates cognitive psychology, human development, law, and public policy

**Employment** Research Fellow 2021-Present  
Interprofessional Polytrauma and Traumatic Brain Injury Rehabilitation  
Hunter Holmes McGuire VA Medical Center (Richmond, VA)  
Principal Investigator: James M. Bjork

**Education**

<b>Cornell University</b> Ph.D. – Human Development	2015-2021
<b>Cornell Law School</b> Juris Doctor Charles Evans Hughes Scholar Dean's List: Fall 2017, Spring 2018, Fall 2019	2017-2020
<b>Cornell University</b> M.A. – Human Development	2015-2017
<b>University of Michigan</b> B.A. – Political Science and Psychology ( <i>With Highest Distinction</i> ) Music Minor <i>Phi Beta Kappa</i>	2012-2015

## Research Experience

**Graduate Research Assistant & Laboratory Leader** Summer 2015-2021  
Professor Valerie Reyna, *Cornell University*  
*Thesis focus on decision-making and the neurocognitive effects of mild traumatic brain injury and sub-concussive head impacts. Leader of the Neuroscience and Health and Medical Decision Making teams for the Laboratory for Rational Decision-Making.*

**Research Assistant** Winter 2015  
Professor Sonja Starr, *University of Michigan Law School*

*Assisted in legal research on race-based employment discrimination; gathered and coded data, as well as provided general support for the main study.*

**Research Assistant**

2012-2015

Professor Ethan Kross, *Department of Psychology, University of Michigan.*

*Research focused on emotions and social psychology, specifically self-control and coping mechanisms; ran participants, de-identified and coded data, trained new lab members, revised studies for improved collection of data.*

**Research Funding**

**College of Human Ecology Summer Fellowship**

2020

Rose, Flora Summer Fellowship

Total direct costs: \$3,000

Cornell University Engaged Graduate Research Grant

2017-2018

**“Sports, Memory, and Decision Making: A Fuzzy-Trace Theory Approach”**

Garavito (PI) Total direct costs: \$15,000

Role: Primary Investigator

Extended until 2019

National Science Foundation

2015-2019

**“Quantitative Judgments in Law: Studies of Damage Award Decision Making”**

Reyna (PI) Total direct costs: \$389,996

Role: Research Assistant

Cornell University Engaged Undergraduate Research Grant

2016-2017

**“Engaged Risky Decision Making”**

Reyna (PI) Total direct costs: \$25,000

Role: Co-Investigator

Extended until 2019

Total direct costs increased from \$25,000 to \$40,000

National Institute of Nursing Research

2012-2015

**“The Gist of Hot and Cold Cognition in Adolescents’ Risky Decision Making”**

Reyna (PI) Total direct costs: \$1,768,803

Role: Research Assistant

**Teaching Experience**

**HD3620: Human Bonding**

Spring 2020/2021

Professor Cindy Hazan, Department of Human Development, Cornell University

*Proctored and graded undergraduate exams and managed all activities on Canvas for a class of ~600 undergraduates. Held weekly office hours and met with undergraduate students at additional times when requested. Assisted in the transition to full online instruction and testing during the COVID-19 pandemic.*

**GOVT 2055: Psychology & Law**

Fall 2019

Co-Instructor, Department of Human Development, Cornell University

*Designed and instructed a course on the interaction of psychology and law as part of the Cornell Prison Education Program. One of three instructors teaching the weekly course at Cayuga Correctional Facility. Wrote and graded exams and group learning activities, including moot court problems.*

**HD2580/4580: Six Pretty Good Books**

Fall 2019

Professors Stephen Ceci &amp; Michael Macy, Department of Human Development, Cornell University

*Graded biweekly undergraduate essays, organized Zoom meetings with authors of contemporary works on psychology and sociology, and responded to undergraduate grade inquiries. Designed and managed assignments, quizzes, and peer review via Canvas.*

**Intro to the American Legal System**

Fall 2019

Professor Hoi Kong, Cornell Law School

*Attended lectures, graded written assignments and quizzes, and provided feedback for LL.M. students in a class providing a general overview of various aspects of the American legal system. Held weekly office hours and met with students at additional times when requested.*

**HD1170: Adolescence and Early Adulthood**

Spring 2016/2019, Summer 2019

Professor Anthony Burrow, Department of Human Development, Cornell University

Amelia Hritz, Ph.D., Department of Human Development, Cornell University (Summer 2019 term only)

*Graded undergraduate assignments; proctored exams; calculated and submitted course grades; and responded to undergraduate grade inquiries. Scheduled alternate exam times for those with special exam requirements and make-up exams. Held weekly office hours and met with undergraduate students at additional times when requested. Gave a guest lecture on adolescence and criminal law.*

**HD1150 and 1160: Infancy and Childhood**

Fall 2015/2018/2020

Professor Tamar Kushnir, Department of Human Development, Cornell University

*Assisted in writing and grading all exams, submission of grades, and responding to undergraduate grade inquiries. Led additional review sessions to cover material before exams and a weekly discussion section focused on reviewing important current research in psychology and human development. Graded and gave feedback for weekly written assignments and determined participation evaluations. Gave a guest lecture on developmental neuroscience.*

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**Peer Review and Editorial Activities**

<b>Associate Editor</b> , <i>Cornell Journal of Law and Public Policy</i>	2018-2019
<b>Article Editor</b> , <i>Cornell Journal of Law and Public Policy</i>	2019-2020
<b>Editorial Assistant</b> , <i>Developmental Review</i>	2019-2021

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## ***Consulting Activities***

<b>Research Consultant</b>	Spring 2018-Winter 2019
Scientific Resources for the Law, <i>University of Nebraska</i>	
<i>Assists in research activities to provide resources to assist in the legal work from various clients (e.g., voir dire research).</i>	

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## **Memberships in Learned Societies**

American Psychological Association

Association for Psychological Science

American Psychology-Law Society

Society for Medical Decision Making

Society for Judgment and Decision Making

Psychonomic Society

Society for Neuroeconomics

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## ***Additional Professional Activities***

<b>Hospicare Ethics Committee member</b>	2016-2019
<i>Involved in discussions with nurses, doctors, lawyers, and other professionals about complex ethical, medical, and legal issues that arise in the management of Hospicare in Ithaca (see <a href="https://www.hospicare.org/">https://www.hospicare.org/</a>).</i>	

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## ***Awards and Honors***

<b>Society for Medical Decision Making Trainee Scholarship</b>	2020
Awarded to trainee members of the Society of Medical Decision Making who are from traditionally underrepresented groups in science and who are presenting at the annual conference meeting; the award includes membership and conference registration fees.	

<b>Morris P. Glushien Prize</b>	2020
Awarded annually by the Dean to the students with the best notes concerning current social problems published in one of the Cornell student law journals.	
<b>CALI Excellence for the Future Award</b>	2019
Given to the highest scoring student in each law school class at many law schools. Received for performance in the Cornell Juvenile Justice Clinic.	
<b>William Jennings Bryan Prize in Political Science</b>	2015
<i>Awarded to the graduating Political Science student who shows the most promise</i>	
<b>Phi Beta Kappa</b>	2015
<i>Awarded to those demonstrating excellence in liberal arts and sciences</i>	
<b>Phi Kappa Phi</b>	2014
<i>Awarded to the top 7.5% of the junior class (awarded in second year)</i>	
<b>James B. Angell Scholar</b>	2014
<i>Five consecutive terms with “all A” grades with a full course load</i>	
<b>Tau Beta Sigma Sorority</b>	2013
<i>National Honorary Band Co-Ed Service Sorority</i>	
<b>Branstrom Freshman Prize</b>	2012
<i>Awarded for excellent academic performance for first-term freshman</i>	

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## ***Academic and Community Outreach***

<b>Work with Ithaca League of Women Rollers</b>	Summer 2019/Winter 2020
<i>Partnered with the Ithaca League of Women Rollers to educate coaches, members, and parents on concussions and sub-concussive hits. Organized outreach events and developed materials and activities that would be appealing to a wide age range, from elementary students to high school students (for members) to older adults (for parents/coaches). All materials were designed using psychological theory and research to help effectively teach about brain structure, brain function, and sports-related brain injuries. <b>Role:</b> Team leader and organizer.</i>	
<b>Career Explorations 2018 – University U program</b>	Summer 2018
<i>Led a 2-day STEM program at Cornell University for middle school students at Cornell University to expose them to scientific methodology and resources. (see <a href="http://4hstaff.cce.cornell.edu/career-explorations">http://4hstaff.cce.cornell.edu/career-explorations</a>)</i>	
<b>Ithaca Youth Bureau 2018</b>	Summer 2018
<i>Led the Cornell University program for local high school students from the Ithaca Youth Bureau to learn about neuroscience research in the Department of Human Development. (see <a href="https://hdtoday.human.cornell.edu/2017/10/03/simulation-workshops-teach-youth-about-concussion-risks/">https://hdtoday.human.cornell.edu/2017/10/03/simulation-workshops-teach-youth-about-concussion-risks/</a>)</i>	

**4-H Watkins Glen 2018**

Summer 2018

*A volunteer team from Cornell University presented a STEM program for middle school students at a local camp in upstate New York. Topics included neuroscience, sports, and concussions, taught using interactive activities and discussions. Activities were designed using psychological theory and current research to help teach children and adolescents about the basics of brain structure and function, as well as how the brain can be injured and recovers after injury. **Role:** Team leader and organizer.*

**Ithaca Youth Bureau 2017**

Summer 2017

*Led the Cornell University program for local middle school and high school students from the Ithaca Youth Bureau to learn about sports, concussions, and neuroscience. (see <https://hdtoday.human.cornell.edu/2017/10/03/simulation-workshops-teach-youth-about-concussion-risks/>)*

**Career Explorations 2016**

Summer 2016

*Led high school students in a 3-day STEM program at Cornell University as part of the Get the Gist program. (see <https://hdtoday.human.cornell.edu/2016/09/13/learning-to-reduce-risky-behaviors-leads-to-stem-careers/>)*

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***Skills and Other Training******Programs***

*IBM Amos  
IBM SPSS Statistical Package  
AFNI  
FreeSurfer  
GingerALE  
Docker  
Git/Github*

***Programming/Markup Languages***

*R - 6 years experience  
HTML - 4 years experience  
Python - 4 years experience  
Bash/Shell Scripting - 3 years experience  
CSS - 3 years experience*

***Methods***

*Frequentist Statistics  
Bayesian Statistics  
Structural Equation Modeling & Path Analysis  
Structural and functional Magnetic Resonance Imaging (s/fMRI)  
Eyetracking*

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***Publications***

- Garavito, D. M. N. & Bjork, J. M.** (in preparation). The wolf of Park Place: Unregulated digital marketplaces, gambling, and the dangers of both to child development.
- Garavito, D. M. N.; Reyna, V. F.; Chiu, A. M.; Hayes, B. B.; Blalock, S. J.; Brainerd, C. J.; Edelson, S. M.; Nolte, J.; Vadlamudi, P. S.** (in preparation). True and false memories for risk information about medications: A fuzzy-trace theory approach.
- Garavito, D. M. N., Reyna, V. F., Vadlamudi, P., & Chong, W. L.** (in preparation). Susceptibility to false memories for stereotypes and frequencies across cultures in younger and older adults.
- Garavito, D. M. N., Reyna, V. F., Hayes, B. B., Ong, C., Brust-Renck, P. G., & Rong, R. X.** (in preparation). A healthy bottom line: Efficacy of a fuzzy-trace theory intervention on exercise and nutrition.
- Edelson, S.M., Reyna, V.F., Hayes, B.B., & **Garavito, D.M.N.** (in preparation). Testing Competing Predictions for College Students' Risk Taking Involving COVID-19.
- Garavito, D. M. N., Hritz, A. C., Blume, J. H.** (in preparation). Caged birds and those that hear their songs: Effects of race and gender in South Carolina parole hearings.
- Garavito, D. M. N., Reyna, V. F., Lin, C., & Edelson, S. M.** (under review). Repercussions of concussions: Impact of self-reported diagnosed traumatic brain injuries and sub-concussive head impacts on temporal discounting and impulsivity.
- Garavito, D. M. N. & Bjork, J. M.** (in press). Impulsivity and reflective thinking in veterans seeking care for substance use disorder. *Substance Use & Misuse*, 57(10), 1563-1571. doi: 10.1080/10826084.2022.2096237
- Garavito, D. M. N. & Koch, M. K.** (in press). Coming of age in the eyes of the law: The conflict between *Miranda, J.D.B.*, and puberty. *American Criminal Law Review*, 60.
- Reyna, V. F., Edelson, S. M., Hayes, B. B., & **Garavito, D. M. N.** (2022). Supporting health and medical decision-making: Findings and insights from fuzzy-trace theory. *Medical Decision Making*, 42(6), 741-754. doi: 10.1177/0272989X221105473
- Hans, V. P., Reed, K., Reyna, V. F., **Garavito, D. M. N.**, & Helm, R. K. (2022). Guiding jurors on damage award decisions: Experimental investigations of approaches based on theory and practice. *Psychology, Public Policy, and Law*, 28(2), 188-212. doi: 10.1037/law0000342.
- Ajayi, P. T., **Garavito, D. M. N.** & Reyna, V. F. (2021). Socioeconomic status and concussion reporting: The distinct and mediating roles of gist processing, knowledge, and attitudes. *Journal of Behavioral Decision Making*, 34(5), 639-656. doi: 10.1002/bdm.2235.
- Garavito, D. M. N., Reyna, V. F., DeTello, J. E., Landow, B. R., & Tarpinian, L. M.** (2020). Intentions to report concussion symptoms in nonprofessional athletes: A



fuzzy-trace theory approach. *Journal of Applied Cognitive Psychology*, 35(1), 26-38. doi: 10.1002/acp.3734.

**Garavito**, D. M. N. (2019). Note: The prisoner's dementia: Ethical and legal issues regarding dementia and healthcare in prison. *Cornell Journal of Law and Public Policy*, 29(2), 211-235.

Nolte, J., **Garavito**, D. M. N., & Reyna, V. F. (2019). Decision making. In R. J. Sternberg & J. Funke (Eds.), *The Psychology of Human Thought* (pp. 177-199). Heidelberg: Heidelberg University Publishing. doi: 10.17885/heUP.470

**Garavito**, D. M. N., Reyna, V. F., DeTello, J. E. (2019). A concussion by any other name: Differences in willingness to take risks by label and participation in sports. *Applied Cognitive Psychology*, 33(4), 646-654. doi: 10.1002/acp.3481.

**Garavito**, D. M. N., Weldon, R. B., & Reyna, V. F. (2018). Fuzzy-trace theory: Judgments, decisions, and neuro-economics. In A. Lewis (Ed.), *The Cambridge Handbook of Psychology and Economic Behavior* (pp. 713-749). Cambridge University Press.

Reyna, V. F., Rahimi-Golkhandan, S., **Garavito**, D. M. N., & Helm, R. H. (2017). The fuzzy-trace dual-process model. In W. De Neys (Ed.), *Dual-Process Theory 2.0*. Psychology Press.

Rahimi-Golkhandan, S., **Garavito**, D. M. N., Reyna-Brainerd, B. B., & Reyna, V. F. (2017). A fuzzy-trace theory of risk and time preferences in decision making: integrating cognition and motivation. In J. Stevens (Ed.), *Nebraska Symposium on Motivation*. University of Nebraska Press.

Weldon, R. B., Corbin, J. C., **Garavito**, D. M. N., & Reyna, V. F. (2016). The gist is sophisticated yet simple: Fuzzy-trace theory's developmental approach to individual differences in judgment and decision making. In M. Toplak & J. Weller (Eds.), *Individual Differences in Judgment and Decision Making from a Developmental Context*.

Meschkow, A.S., Nolte, J., **Garavito**, D.M.N., Helm, R.K., Weldon, R.B., & Reyna, V.F. (2016). Risk taking across the lifespan. In M.H. Bornstein (Ed.), *The SAGE Encyclopedia of Lifespan Human Development*.

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## **Posters and Presentations**

### *National/International Conferences*

Edelson, S. M., Reyna, V. F., Hayes, B. B., & **Garavito**, D. M. N. (November, 2022). *Dual process and fuzzy trace theory predictions for COVID-19 risk taking*. Paper to be presented at the 63rd Annual Meeting of the Psychonomic Society.

Reyna, V. F., Edelson, S. M., **Garavito**, D. M. N., Lee, J., Cazorla, M. V., & Fan, J. Y. (October, 2022). *I don't agree but it makes sense: Plausibility and conspiracy theories about misinformation in health and other domains*. Paper to be



presented at the 44th Annual Meeting of the Society for Medical Decision Making.

**Garavito**, D. M. N. (August, 2022). *A fuzzy-trace theory approach to concussion underreporting in sports*. Presentation at the 2022 Annual Meeting of the American Psychological Association.

Edelson, S. M., Reyna, V. F., Hayes, B. B., & **Garavito**, D. M. N. (October, 2021). *A test of competing predictions for college student risk taking involving transmission of COVID-19*. Paper presented at the 43rd Annual Meeting of the Society for Medical Decision Making. Virtual Meeting.

Reyna, V. F., **Garavito**, D. M. N., Brust-Renck, P. G., Fan, J., Hayes, B. B., Galindez, M. (May, 2021). *Fuzzy-trace theory predicts vaccination intentions beyond knowledge, accessibility, and demographics*. Poster presented at the 32nd Annual Convention of the Association for Psychological Science. Virtual Meeting.

**Garavito**, D. M. N., Reyna, V. F., DeTello, J. E., Landow, B. R., & Tarpinian, L. M. (2020, November). *Intentions to report concussion symptoms in nonprofessional athletes: A fuzzy-trace theory approach*. Paper presented at the 61st Annual Meeting of the Psychonomic Society. Virtual Meeting.

**Garavito**, D. M. N., Reyna, V. F., Chiu, A., Brainerd, C., Vadlamudi, P., Edelson, S., & Blalock, S. (2020, October). *True and false memories for risk information about hydroxychloroquine (and methotrexate) among young adults and patients: A fuzzy-trace theory approach*. Paper presented at the 40th Annual Convention of the Society for Medical Decision Making. Virtual Meeting.

Edelson, S., Reyna, V. F., **Garavito**, D. M. N., Weldon, R., Erez, Y., & Weinstein, E. (2020, October). *Body mass index classification distinguishes immediacy and magnitude in temporal discounting of candy*. Paper presented at the 40th Annual Convention of the Society for Medical Decision Making. Virtual Meeting.

Edelson, S. M., Reyna, V. F., **Garavito**, D. M. N., Weldon, R. B., Erez, Y. (2020, September). *Divergence of liking vs. wanting of rewards is associated with patience differently for hungry and non-hungry adolescents and adults*. Poster presented at Flux Virtual Congress.

Reyna, V. F., **Garavito**, D. M. N., Chiu, A., Brainerd, C., & Blalock, S. (2019, November). *True and false memories for risk information about medications: A fuzzy-trace theory approach*. Poster presented at the 39th Annual Convention of the Society for Judgement and Decision Making. Montreal, QC, Canada

**Garavito**, D. M. N., Rounds, J. D., Reyna, V. F., Zhao, I., Nudelman, N. T., Chen, M. S. (2019, November). *"You're not you when you're hungry": The effects of drive states on the correlation between alpha and theta frontal asymmetry and impulsivity*. Poster presented at the 39th Annual Convention of the Society for Judgement and Decision Making. Montreal, QC, Canada.

Ajayi, P. T., **Garavito**, D. M. N., & Reyna, V. F. (2019, November). *Cognitive aspects of decision making that promote concussion reporting: The role of gist processing*

*and numeracy*. Poster presented at the 39th Annual Convention of the Society for Judgement and Decision Making. Montreal, QC, Canada.

Ajayi, P. T., **Garavito**, D. M. N., & Reyna, V. F. (2019, November). *Socioeconomic Status (SES) and Gist Processing: How SES is Related to Concussion Reporting Intentions*. Poster presented at the 39th Annual Convention of the Society for Judgement and Decision Making. Montreal, QC, Canada.

Reyna, V. F., Galindez, M., Ong, C., Brust-Renck, P. G., Grossman, A., **Garavito**, D. M. N., Igwe, N. (2019, October). *A fuzzy-trace theory of flu vaccination: Gist, Risk, and Conspiracy*. Paper presented at the 41st Annual Meeting of the Society for Medical Decision Making. Portland, OR.

Hayes, B. B., Reyna, V. F., Vadlamudi, P., **Garavito**, D. M. N. & Croom, K. (2019, October). *Using Single-Item Gist Measures of Categorical Risk and Benefit Perception to Predict Results of Alcohol Abuse Screening*. Poster presented at the 41st Annual Meeting of the Society for Medical Decision Making. Portland, OR.

**Garavito**, D. M. N., Ajayi, P. T., Reyna, V. F., & DeTello, J. E. (2019, May). *Socioeconomic status predicts intention to report sports-related concussion symptoms in high-school athletes*. Poster presented at the 31st Annual Convention of the Association for Psychological Science. Washington, DC.

Reyna, V. F. Nolta, J., Rong, R. **Garavito**, D. M. N., Brust-Renck, P. G., & Brainerd, C. J. (2018, October). *Decision-relevant memory for health information: A conjoint recognition model based on fuzzy-trace theory*. Poster presented at the 40th Annual Meeting of the Society for Medical Decision Making. Montreal, QC, Canada.

**Garavito**, D. M. N., Lin, C., DeTello, J. E., Reyna, V. F., & Ponzo, T. A. (2017, November). *The repercussions of concussions: Impact of neurological trauma on temporal discounting*. Poster presented at the 58th Annual Meeting of the Society for Neuroeconomics. Vancouver, BC, Canada.

**Garavito**, D. M. N., DeTello, J. E., & Reyna, V. F. (2017, October). *Gist measures predict intention to report sports-related concussion symptoms in athletes and non-athletes: A fuzzy-trace theory approach*. Poster presented at the 39th Annual Meeting of the Society for Medical Decision Making. Pittsburgh, PA.

**Garavito**, D. M. N., DeTello, J. E., Reyna, V. F., & Helm, R. K. (2017, May). *Fuzzy-trace theory measures predict intention to report sports-related concussion symptoms*. Poster presented at the 29th Annual Convention of the Association for Psychological Science. Boston, MA.

**Garavito**, D. M. N., Reyna, V. F., Dower, L. R., Rong, R. X., & Brust-Renck, P. G. (2017, May). *Obesity prevention program based on fuzzy-trace theory bolsters healthy values in adolescents*. Poster presented at the 29th Annual Convention of the Association for Psychological Science. Boston, MA.

### *Regional Conferences*

DeTello, J. E., Katz, E. A., Govindgari, S., **Garavito**, D. M. N., & Reyna, V. F. (2016, October). *Engaged risky decision making*. Poster presented at the 2016 Engaged Cornell Poster Session. Cornell University, Ithaca, NY.

Franz, A., Dower, L., **Garavito**, D. M. N., & Reyna, V. F. (2016, September). *Health and the brain neuroscience outreach*. Poster presented at the 2016 Cornell Cooperative Extension Summer Internship Poster Session. Cornell University, Ithaca, NY.

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