

ANGELIQUE I. DELARAZAN

Washington University in St. Louis
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EDUCATION

Ph.D., Psychological & Brain Sciences <i>Washington University in St. Louis</i> Dissertation Thesis: <i>Stability of memory representations in cortico-hippocampal systems</i>	Present
A.M., Psychological & Brain Sciences <i>Washington University in St. Louis</i> Master's Thesis: <i>Narratives close the gap: The limited role of temporal distance in binding story events</i>	2022
A.B., Psychology, Magna Cum Laude Minor: Human Development <i>University of California, Davis</i> Honors Thesis: <i>Seize the frame: Striving for certainty enhances attitude change in response to reframing</i>	2018
A.A., Psychology A.S., Social and Behavioral Science A.S., Natural Sciences and Mathematics <i>Napa Valley College</i>	2016

HONORS & AWARDS

National Institutes of Health (NIH) T32 Graduate Training Program in Aging	2023 – 2025
Washington University in St. Louis P&BS Dissertation Award	2024
National Science Foundation (NSF) Graduate Research Fellowship Program	2020 – 2023
Lichtenberg Scholarship in Geropsychology	2021 – 2023
Society for Neuroscience (SfN) Trainee Professional Development Award	2021
College of Letters and Sciences High Honors	2018
R.E. and Hilda Sparling Scholarship	2016 – 2018
Thomas E. Bruzzone Scholarship	2016 – 2018
Dean's Honor List, University of California, Davis	2016 – 2018
Vallejo Hope Scholarship Fund	2011 – 2013

RESEARCH EXPERIENCE

Graduate Student <i>Washington University in St. Louis</i> Complex Memory Lab Advisor: Zachariah M. Reagh	2020 – Present
Junior Research Specialist <i>University of California, Davis</i> Dynamic Memory Lab Advisor: Charan Ranganath	2018 – 2020
Memory and Plasticity Program Mentee <i>University of California, Davis</i> Memory and Plasticity Mentorship Program Director: Charan Ranganath	2018 – 2019
Undergraduate Research Assistant <i>University of California, Davis</i> Dynamic Memory Lab Advisor: Charan Ranganath	2017 – 2018
Undergraduate Research Assistant <i>University of California, Davis</i> Attitudes, Groups, and Identities Lab Advisor: Alison Ledgerwood	2017 – 2018

TEACHING EXPERIENCE

Instructor <i>Contemporary Issues in Psychology</i> <i>Washington University in St. Louis</i>	Spring 2025
Assistant to Instructor <i>Experimental Psychology</i> <i>Washington University in St. Louis</i>	Spring 2025
Co-Instructor <i>Cognitive Neuroscience</i> <i>Washington University in St. Louis: Continuing & Professional Studies (CAPS)</i>	Fall 2024
Co-Instructor <i>Introduction to Psychology</i> <i>Washington University in St. Louis</i>	Summer 2024
Assistant to Instructor <i>Human Learning & Memory</i> <i>Washington University in St. Louis</i>	Fall 2023

Instructor

Introduction to Psychology
Washington University in St. Louis

Summer 2023

Fall 2022

Assistant to Instructor

Cognitive Neuroscience
Washington University in St. Louis

PUBLICATIONS

Delarazan, A. I., March, K., Markantonakis, E., Dy, J. & Reagh Z.M., (in press). Aging shifts recall of naturalistic events from temporal to topic organization. *Psychology and Aging*. https://doi.org/10.31234/osf.io/paq8e_v1

Delarazan A.I., Bosak, E., Cohn-Sheehy, B.I., Foureaux-Lee, V., Zacks J.M. & Reagh, Z.M. (2025). Narrative coherence warps the timeline of recalled naturalistic events. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. <https://doi.org/10.1037/xlm0001516>

Delarazan, A. I., Ranganath, C., & Reagh, Z. M. (2023). Aging impacts memory for perceptual, but not narrative, event details. *Learning & Memory*, 30(2), 48-54. <https://doi.org/10.1101/lm.053740.122>

Cohn-Sheehy, B. I., **Delarazan, A. I.**, Reagh, Z. M., Crivelli-Decker, J. E., Kim, K., Barnett, A.J., Zacks, J. M., & Ranganath, C. (2021). The hippocampus builds narrative memories across distant events. *Current Biology*. *Current Biology*, 31(22), 4935-4945. <https://doi.org/10.1016/j.cub.2021.09.013>

Cohn-Sheehy, B. I., **Delarazan, A. I.**, Crivelli-Decker, J. E., Reagh, Z. M., Mundada, N. S., Yonelinas, A. P., Zacks, J.M., & Ranganath, C. (2021). Narratives bridge the divide between distant events in episodic memory. *Memory & Cognition*, 1-17. <https://doi.org/10.3758/s13421-021-01178-x>

Reagh, Z. M., **Delarazan, A. I.**, Garber, A., & Ranganath, C. (2020). Aging alters neural activity at event boundaries in the hippocampus and Posterior Medial network. *Nature communications*, 11(1), 1-12. <https://doi.org/10.1038/s41467-020-17713-4>

MANUSCRIPTS UNDER REVIEW & IN PREPARATION

Delarazan, A.I., Wolfe, N., Kulick, E., Wolfe, M., Ranganath, C., & Reagh, Z.M. (submitted). Aging reduces shared event structure at encoding and weakens memory reinstatement in the Posterior Medial Network.

Tang, R., Karagoz, A. B., **Delarazan, A. I.**, & Reagh, Z. M., (in revision). Forming memories with narratives enhances associative inference at the expense of perceptual details.

Delarazan, A. I., Bhoga, T., March, K., & Reagh, Z.M., (in preparation). Stability of memory representations in cortico-hippocampal networks.

Bouffard, N. R., **Delarazan A. I.**, Karagoz, A. B., Zacks, J. M., & Reagh, Z. M. (in preparation). Age differences in hippocampal neural timescales during naturalistic memory encoding.

Delarazan, A. I., Montchal, M.E., Yassa, M.A., Ranganath, C., & Reagh, Z.M., (in preparation). Boundary-evoked responses in hippocampal subfields.

Karagoz, A. B., **Delarazan, A. I.**, Montchal, M.E., Yassa, M.A., Ranganath, C., & Reagh, Z.M., (in preparation). Hippocampal and entorhinal contributions to naturalistic event context reinstatement.

CONFERENCE PRESENTATIONS & TALKS

Bouffard, N. R., **Delarazan A. I.**, Karagoz, A. B., Zacks, J. M., & Reagh, Z. M. (November 2025). *Age differences in hippocampal neural timescales during naturalistic memory encoding*. Poster presented at the Psychonomic Society Conference. Denver, CO.

Bhoga, T., **Delarazan A. I.**, & Reagh, Z. M. (November 2025). *Agency and memory in action: Spatial, temporal, and object memory in a visuospatial game*. Poster presented at the Washington University Fall Celebration Undergraduate Research Conference. St. Louis, MO.

March, K., **Delarazan A. I.**, Markantonakis, E., Dy, J., & Reagh, Z. M. (April 2025). *Age-related shifts in memory organization for narrative events*. Poster presented at the Washington University Spring Celebration Undergraduate Research Conference. St. Louis, MO.

Delarazan A. I., Bhoga, T., March, K., & Reagh, Z. M. (April 2025). *The roles of event content and recall specificity in shaping representations of naturalistic narratives*. Poster presented at the Cognitive Neuroscience Society Conference. Boston, MA.

Delarazan A. I., March, K., Markantonakis, E., Dy, J. & Reagh, Z. M. (February 2025). *Age-related shifts in memory organization for narrative events*. Poster presented at the Dallas Aging and Cognition Conference. St. Louis, MO.

Bhoga, T., **Delarazan A. I.**, & Reagh, Z. M. (October 2024). *Who vs. where: Are people or places remembered in more detail?* Poster presented at the Washington University Fall Celebration Undergraduate Research Conference. St. Louis, MO.

Wolf, N., Antony, J.W., **Delarazan A. I.**, Reagh, Z. M., Ranganath, C., & Liu, X. (October 2024). *Post-learning reactivation of memories for naturalistic events*. Poster presented at the Society for Neuroscience Conference. Chicago, IL.

- Delarazan, A.I.**, (October 2024). *Age-related changes in remembering complex events*. Talk presented at the Aging & Development Training Program Retreat. St. Louis, MO.
- Delarazan, A.I.**, (October 2024). *Age-related changes in remembering complex events*. Talk presented at the Aging & Development Training Program Retreat. St. Louis, MO.
- Delarazan A. I.**, Boask, E., Zacks, J.M., & Reagh, Z. M. (April 2024). *Narrative coherence bends the arrow of time when recalling naturalistic events*. Poster presented at the Cognitive Neuroscience Society Conference. Toronto, CAD.
- Delarazan, A. I.**, (March 2024). *Age-related changes in representing and remembering complex events*. Talk presented at the 3 Minute Thesis (3MT) Competition. St. Louis, MO.
- Delarazan, A. I.**, (April 2023). *Age-related changes in representing and remembering complex events*. Aging & Development Training Program Retreat. St. Louis, MO.
- Foureaux-Foureaux-Lee, V., **Delarazan, A. I.**, & Reagh, Z.M. (October 2023). *Differences in narrative memory for cross lingual processing in Spanish-English bilinguals*. VII Medical Organization for Latino Advancement (MOLA) Latino Health Symposium. Chicago, IL.
- Foureaux-Lee, V., **Delarazan, A. I.**, & Reagh, Z.M. (October 2023). *Differences in narrative memory for cross lingual processing in Spanish-English bilinguals*. Poster presented at the Fourth Medical Spanish Summit (4MSS). Chicago, IL.
- Foureaux-Lee, V., **Delarazan A. I.**, & Reagh, Z. M. (October 2023). *Differences in cross-lingual narrative memory in Spanish-English Bilinguals*. Poster presented at the Washington University Fall Celebration Undergraduate Research Conference in St. Louis, MO.
- Delarazan, A. I.**, Liu, X., Nguyen, M., Dhanak, R., Guduputi, A., Macalalad, E.M., Karagoz, A.B., Dy, J., Markantonakis, E., Garber, A., Chaudhury, H., Ranganath, C., & Reagh, Z.M (April 2023). *Age-related changes in representing and remembering complex events*. Poster presented at the International Conference on Learning and Memory (LearnMem). Huntington Beach, CA.
- Morse, S. J., Karagoz, A. B., **Delarazan, A. I.**, & Reagh, Z.M. (April 2023). *Event boundaries at encoding enhance mnemonic discrimination of end-event items*. Poster presented at the International Conference on Learning and Memory (LearnMem). Huntington Beach, CA.
- Foureaux-Lee, V., **Delarazan A. I.**, & Reagh, Z. M. (April 2023). *Differences in cross-lingual narrative memory in Spanish-English Bilinguals*. Poster presented at the Washington University Spring Celebration Undergraduate Research Conference in St. Louis, MO.

- Delarazan, A. I.**, Liu, X., Nguyen, M., Dhanak, R., Guduputi, A., Macalalad, E.M., Karagoz, A.B., Dy, J., Markantonakis, E., Garber, A., Chaudhury, H., Ranganath, C., & Reagh, Z.M (April 2023). *Age-related changes in representing and remembering complex events*. Poster presented at the Washington University in St. Louis Graduate Research Symposium (GRS). St. Louis, MO.
- Delarazan, A. I.**, Morse, S. J., Bosak, E., Foureaux-Lee, V. F., Cohn-Sheehy, B. I., Zacks, J. M. & Reagh, Z. M., (May 2022). *Bridging the gap: The role of temporal lag in binding events into coherent memories*. Poster presented at the Context and Episodic Memory Symposium (CEMS). Philadelphia, PA.
- Reagh, Z. M., Morse, S. J., Fishman, R., Angulo-Lopera, S., Karagoz, A.B. & **Delarazan, A. I.**, (April 2022). *Event boundaries at encoding influence mnemonic discrimination*. Poster presented at the Cognitive Neuroscience Society (CNS). San Francisco, CA.
- Bosak, E., **Delarazan A. I.**, & Reagh, Z. M. (April 2022). *Narrative recall: A study of coherence and narrative linearity*. Washington University Spring Celebration Undergraduate Research Conference. St. Louis, MO.
- Foureaux-Lee, V., **Delarazan A. I.**, & Reagh, Z. M. (April 2022). *How do similar experiences influence the forgetting of items and contextual associations over time*. Poster presented at the Washington University Spring Celebration Undergraduate Research Conference. St. Louis, MO.
- Delarazan, A. I.**, Karagoz, A. B., Montchal, M. E., Yassa, M. A., Ranganath, C., & Reagh, Z. M., (2021). *Hippocampal and entorhinal contributions to naturalistic event context reinstatement*. Poster presented at Society for Neuroscience (SfN) Conference. Chicago, IL.
- Delarazan, A. I.**, Cohn-Sheehy B. I., Zacks, J. M., & Reagh, Z. M., (2021). *The role of temporal lag in binding events into coherent memories*. Poster presented at Psychonomics Society Conference. Virtual Conference.
- Delarazan, A. I.** & Reagh, Z. M. (2021). *The influence of event boundaries on the precision of temporal memory representations*. Poster presented at Cognitive Neuroscience Society (CNS). Virtual Conference.
- Delarazan, A. I.** & Reagh, Z. M. (2020). *How do event boundaries affect the precision of temporal memories?* Talk presented at Washington University in St. Louis Behavior, Brain, & Cognition Graduate Research Seminar. St. Louis, MO.
- Cohn-Sheehy, B. I., **Delarazan, A. I.**, Crivelli-Decker, J. E., Reagh, Z. M., & Ranganath, C. (2020). *Hippocampal reactivation at event boundaries bridges temporally discontinuous narrative events*. Poster presented at Context and Episodic Memory Symposium (CEMS). Virtual Conference.

- Delarazan, A. I.,** Cohn-Sheehy, B. I., & Ranganath, C. (2019). *Sleep modulates a delay-dependent retrieval benefit for events which form a coherent narrative*. Poster presented at the Society for Neuroscience (SfN) Conference. Chicago, IL.
- Delarazan, A. I.,** Reagh, Z. M., & Ranganath, C. (2019). *Assessing memory for complex events in neurocognitive aging*. Talk presented at the Alzheimer's Disease Center Research Symposium. Davis, CA.
- Delarazan, A. I.,** Reagh, Z. M., & Ranganath, C. (2019). *Age-related decline of late-story, but not early-story memory for realistic events*. Poster presented at the Alzheimer's Disease Center Research Symposium. Davis, CA.
- Cohn-Sheehy, B. I., **Delarazan, A. I.,** Crivelli-Decker, J., Reagh, Z. M., & Ranganath, C. (2019). *Posterior medial cortex facilitates dynamic integration of narrative events in memory*. Talk presented at the Bay Area Memory Meeting (BAMM). San Jose State University, CA.
- Delarazan, A. I.,** Cohn-Sheehy, B. I., & Ranganath, C. (2019). *Sleep-dependent consolidation for narratives*. Poster presented at the Memory and Plasticity (MAP) Mentorship Program at the University of California, Davis. Davis, CA.
- Delarazan, A. I.,** Sparks, J., & Ledgerwood, A. (2018). *Seize the frame: Striving for certainty enhances attitude change in response to reframing*. Poster presented at the University of California, Davis Undergraduate Research Conference (URC). Davis, CA.
- Delarazan, A. I.** & Scott, B. (2015). *Music's effects on mood and enjoyment during exercise*. Poster presented at Napa Valley College. Napa, CA.

SKILLS

AFNI | Adobe Photoshop | Adobe Premiere | JsPsych | MATLAB | Microsoft Office
MRI Operator Certified | MRI Safety Monitor Certified | PsychoPy | Python | Qualtrics | R

SERVICES & AFFILIATIONS

Journal Reviewer

Aging, Neuropsychology, and Cognition | Journal of Experimental Psychology: General |
Journal of Neuroscience Research | Nature Scientific Reports

Ad Hoc Reviewer

Cognition | Cognitive Neuroscience | Learning & Memory | Nature Communication |
Neurobiology of Learning and Memory | Neuron

Invited Speaker Presentations

Data visualization using JASP (May 2025). AP Statistics Course in Gateway Science Academy, St. Louis, MO.

Statistical Analyses using JASP (May 2025). AP Statistics Course in Gateway Science Academy, St. Louis, MO.

Data visualization using Python Workshop (May 2024). AP Statistics Course in Gateway Science Academy, St. Louis, MO.

Preparing for and Applying to Graduate Study in Psychology (October 2023). Psi Chi Club in Washington University in St. Louis, St. Louis, MO.

Statistical Analyses using Python Workshop (May 2024). AP Statistics Course in Gateway Science Academy, St. Louis, MO.

Data visualization using R Workshop (May 2023). AP Statistics Course in Gateway Science Academy, St. Louis, MO.

Statistical Analyses using R Workshop (May 2023). AP Statistics Course in Gateway Science Academy, St. Louis, MO.

Data visualization using R Workshop (May 2022). AP Statistics Course in Gateway Science Academy, St. Louis, MO.

Statistical Analyses using R Workshop (May 2022). AP Statistics Course in Gateway Science Academy, St. Louis, MO.

Statistical Analyses using R Workshop (April 2019). AP Statistics Course in Davis Senior High School, Davis, CA.

Introduction to Memory (April 2018). AP Psychology Course in Davis Senior High School, Davis, CA.

Outreach Volunteer

Amazing Brain Carnival Demonstration at SciFest: Play and Creativity Expo (August 2022). Saint Louis Science Center, St. Louis, MO.

Amazing Brain Carnival Demonstration at SciFest: Health and Safety Expo (November 2022). Saint Louis Science Center, St. Louis, MO.

Sacramento Brain Bee Neuroscience Competition (Spring 2019) in Sacramento, CA.

Brain Awareness Week (March 2019) in Woodland, CA.

University Services

Social Media Committee Co-Chair for Psychology Graduate Student Association (PGSA) at Washington University in St. Louis (2021 – 2022)

Student Member of Psychology Graduate Student Association (PGSA) Diversity Committee at Washington University in St. Louis (2021 – 2022)

Event Coordinator for Bay Area Memory Meeting (BAMM) 2018

Event Coordinator for Multi-University Research Initiative (MURI) Conference 2018

Affiliations

Trainee, National Institutes of Health

Graduate Fellow, National Science Foundation

Student Member, Cognitive Neuroscience Society
Student Member, Psychonomic Society
Student Member, Society for Neuroscience
Student Member, Phi Theta Kappa ($\phi\theta\kappa$)

MENTORSHIP

Tej Bhoga
Washington University in St. Louis
Class of 2026 | Undergraduate Research Assistant

Elena Bosak
Washington University in St. Louis
Class of 2022 | Medical Student at Drexel University College of Medicine

June Dy
University of California, Davis
Class of 2021 | Clinical Research Coordinator at University of California, San Francisco

Veronica Foureaux-Lee
Washington University in St. Louis
Class of 2024 | Graduate Student at Washington University in St. Louis

Katherine March
Washington University in St. Louis
Class of 2026 | Undergraduate Research Assistant

Elena Markantonakis
University of California, Davis
Class of 2021 | Graduate Student at Radboud University

REFERENCES

Zachariah M. Reagh, Ph.D.
zreagh@wustl.edu

Jeffrey M. Zacks, Ph.D.
jzacks@wustl.edu

Charan Ranganath, Ph.D.
cranganath@ucdavis.edu

Leonard Green, Ph.D.
lgreen@wustl.edu