

# ANTHONY CRUZ, M.SC.

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August 25, 2025

## EDUCATION

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| <b>Ph.D. in Psychology</b><br>Supervisor: Dr. John Paul Minda                                 | <i>University of Western Ontario</i><br>2022–Ongoing |
| <b>M.Sc. in Psychology</b><br>Supervisor: Dr. John Paul Minda                                 | <i>University of Western Ontario</i><br>2020–2022    |
| <b>B.A. in Mathematics &amp; Psychology</b> (Minor: Communication Studies)<br>Summa Cum Laude | <i>Ohio University</i><br>2016–2020                  |

## HONOURS AND AWARDS

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| <b>Social Science Graduate Alumni Award</b><br>\$3000 (CA)                  | <i>University of Western Ontario</i><br>Jun 2024             |
| <b>G. Keith Humphrey Memorial Award</b><br>\$650 (CA)                       | <i>University of Western Ontario</i><br>May 2024             |
| <b>J. Frank Yates Student Conference Award</b><br>\$1000 (US)               | <i>Psychonomic Society</i><br>Nov 2023                       |
| <b>David Kucharski Graduating Senior Award</b><br>\$250 (US)                | <i>Department of Psychology, Ohio University</i><br>Apr 2020 |
| <b>Psychology Research and Teaching Endowment Scholarship</b><br>\$500 (US) | <i>Ohio University</i><br>Apr 2018                           |
| <b>Appalachian Rural Health Initiatives</b><br>First Prize, \$150 (US)      | <i>OU Student Research and Creativity Expo</i><br>Apr 2018   |
| <b>Templeton Scholarship</b><br>\$24410 (US) Annually                       | <i>Ohio University</i><br>Aug 2016–May 2020                  |
| <b>Ohio Trustee Award</b><br>\$6000 (US) Annually                           | <i>Ohio University</i><br>Aug 2016–May 2020                  |

## PEER-REVIEWED PUBLICATIONS

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- Kalra, P., Minda, J. P., Roark, C. L., & **Cruz, A.** (2025). Reply to 'Single and multiple systems in probabilistic categorization.' *Nature Reviews Psychology*, 4(1), 65–65. <https://doi.org/10.1038/s44159-024-00390-1>
- Roark, C. L., Minda, J. P., Kalra, P., & **Cruz, A.** (2025). Reply to 'Structure-based dissociations provide agnostic evidence to the multiple-systems debate.' *Nature Reviews Psychology*, 4(1), 67–67. <https://doi.org/10.1038/s44159-024-00396-9>
- Minda, J. P., Roark, C. L., Kalra, P., & **Cruz, A.** (2024). Single and multiple systems in categorization and category learning. *Nature Reviews Psychology*, 1–16. <https://doi.org/10.1038/s44159-024-00336-7>

**Cruz, A., & Minda, J. P. (2024).** Was That My Cue? Reactivity to Category-Level Judgments of Learning. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 46(0). <https://escholarship.org/uc/item/0nr5974b>

**Cruz, A., & Minda, J. P. (2024).** The Spacing Effect in Remote Information-Integration Category Learning. *Memory & Cognition*. <https://doi.org/10.3758/s13421-024-01569-w>

## ORAL PRESENTATIONS

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**Cruz, A. & Minda, J. P. (2025, July 8–11).** Are there two distinct mechanisms of JOL reactivity? *Talk presented at the 35th Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science (CSBBCS)*, Dundee, Scotland.

**Cruz, A. (2023, October 3).** Harnessing smartphone power: A breakthrough approach to medical diagnostic category learning. *Talk presented at the Centre for Education Research and Innovation (CERI) 2023 Research Symposium*, London, ON.

**Cruz, A. & Minda, J. P. (2022, November 17–20).** Sorry, I Can't Talk Right Now: Category Learning on the Go. *Talk presented at the 63rd Annual Meeting of the Psychonomic Society*, Boston, MA.

## POSTER PRESENTATIONS

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**Cruz., A., Njeru, A., & Minda, J. P. (2024, November 21–24).** Boost or Bust? Role of JOLs in Word Pair Recognition. *Poster presented at the 65th Annual Meeting of the Psychonomic Society*, New York, NY.

**Cruz, A. & Minda, J. P. (2024, July 24–27).** Was That My Cue? Reactivity to Category-Level Judgments of Learning. *Poster presented at the 46th Annual Meeting of the Cognitive Science Society*, Rotterdam, NL.

**Cruz, A. & Minda, J. P. (2023, November 17–19).** Give Me a Break: Pausing to Reflect May Lessen Attention Attenuation in Massed Learning. *Poster presented at the 64th Annual Meeting of the Psychonomic Society*, San Francisco, CA.

**Cruz, A. & Minda, J. P. (2023, July 17–19).** PRaM-Scaping: Efficient Similarity Data Collection through Trial Reduction. *Poster presented at the 33rd Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science (CSBBCS)*, Guelph, ON.

**Cruz, A., Saulnier, K. G., Huet, A. & Allan, N. P. (2020, May 2–5).** Attentional control as a potential mechanism linking worry and error monitoring: An event-related potential study. *Poster presented at the Cognitive Neuroscience Society (CNS) 2020 Annual Meeting*, Virtual.

**Cruz, A. (2019, July).** Understanding patterns of interlock use based on failure times, failure rates, invalid test rates, and rolling retest rates. *Poster presented at the University of Missouri Summer Undergraduate Research & Creative Achievements Forum*, Columbia, MO.

**Cruz, A. & Sharrock, A. (2018, April).** National suicide trends and suicide trends in Southeast Ohio. *Poster presented at the Ohio University Student Research and Creativity Expo*, Athens, OH.

## WORKSHOP PRESENTATIONS

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**Cruz, A. (2024, March 9–11).** Come see your brain waves with the Muse headband! *Workshop presented at Inspiring Diversity in STEM*, London, ON.

Kalra, P. & **Cruz, A. (2023, November 1–3).** Modern Realities of Behavioural Research. *Talk presented at Brainhack Western*, London, ON.

Kalra, P. & **Cruz, A.** (2022, November 30–2). Modern Realities of Behavioural Research. *Talk presented at Brainhack Western*, London, ON.

## SCIENCE WRITING

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**Cruz, A.** (2025, July 15). *The ROAR-CAT's out of the bag: A reliable, efficient reading assessment*. Psychonomic Society Featured Content. <https://featuredcontent.psychonomic.org/the-roar-cats-out-of-the-bag-a-reliable-efficient-reading-assessment/>

**Cruz, A.** (2025, June 17). *Have you ever tried this one? Mental simulation helps us understand biological motion*. Psychonomic Society Featured Content. <https://featuredcontent.psychonomic.org/have-you-ever-tried-this-one-mental-simulation-helps-us-understand-biological-motion/>

Asmar, A. & **Cruz, A.** (2025, May 20). *Beyond pairwise: Adding hypergraphs to your psychometrics toolbox*. Psychonomic Society Featured Content. <https://featuredcontent.psychonomic.org/beyond-pairwise-adding-hypergraphs-to-your-psychometrics-toolbox/>

**Cruz, A.** (2025, April 16). *Similarity-based processing is in the eye of the inferer*. Psychonomic Society Featured Content. <https://featuredcontent.psychonomic.org/similarity-based-processing-is-in-the-eye-of-the-inferer/>

**Cruz, A.** (2025, March 19). *From pitchy to pitch perfect: Training absolute pitch in adults*. Psychonomic Society Featured Content. <https://featuredcontent.psychonomic.org/from-pitchy-to-pitch-perfect-training-absolute-pitch-in-adults/>

## SCIENCE PODCASTING

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**Cruz, A.** (Host), & **Cruz, A.** & Mickes, L. (Producers). (2025, August 7). *The overconfidence of LLMs..* In *All Things Cognition*. <https://featuredcontent.psychonomic.org/the-overconfidence-of-llms/>

I have also hosted and/or produced 32 episodes of *GradCast*. Listen at [GradCast.ca](https://gradcast.ca). Find some selected episodes below.

Schneider, M. & Ambrogio, M. (Hosts), & **Cruz, A.** & Perera, C. (Producers). (2025, July 1). *Reaching, Grasping, and Research Abroad* (No. 512) [Audio podcast episode]. In *GradCast*. <https://gradcastradio.podbean.com/e/512-reaching-grasping-and-research-abroad/>

**Cruz, A.** & Baxter, R. (Hosts), & Seanor, K. (Producer). (2025, June 24). *Mapping It Out: The Cerebellum in Action* (No. 511) [Audio podcast episode]. In *GradCast*. <https://gradcastradio.podbean.com/e/511-mapping-it-out-the-cerebellum-in-action/>

Mesquita, B. & **Cruz, A.** (Hosts), & Sidhu, R. (Producer). (2025, June 17). *Music and Math? You don't know the half of it!* (No. 510) [Audio podcast episode]. In *GradCast*. <https://gradcastradio.podbean.com/e/510-music-and-math-you-dont-know-the-half-of-it/>

Schneider, M. & **Cruz, A.** (Hosts), & **Cruz, A.** (Producer). (2025, April 15). *#Inspiring-Minds: Fit or Fixated? Unpacking Emerging Fitness Ideals and the Role of Disordered Eating* (No. 501) [Audio podcast episode]. In *Gradcast*. <https://gradcastradio.podbean.com/e/501-inspiringminds-fit-or-fixated-unpacking-emerging-fitness-ideals-and-the-role-of-dis>

**Cruz, A.** & Voll, M. (Hosts), & Mesquita, B. (Producer). (2024, October 15). *Black Paint on a Black Canvas* (No. 479) [Audio podcast episode]. In *Gradcast*. <https://gradcastradio.podbean.com/e/479-black-paint-on-a-black-canvas/>

Ambrogio, M. & Casbourn, G. (Hosts), & **Cruz, A.** (Producer). (2024, September 10). *Ultra-cool Dwarf Planets* (No. 474) [Audio podcast episode]. In *Gradcast*. <https://gradcastradio.podbean.com/e/474-ultracool-dwarfs/>

**Cruz, A.** & Sidhu, R. (Hosts), & **Cruz, A.** (Producer). (2024, August 20). *Sorry, Can You Repeat That?* (No. 473) [Audio podcast episode]. In *Gradcast*. <https://gradcastradio.podbean.com/e/473-sorry-can-you-repeat-that/>

**Cruz, A.** & Ambrogio, M. (Hosts), & **Cruz, A.** (Producer). (2024, July 2). *It's A Bird, It's a Plane, It's a Medical Delivery Drone!* (No. 466) [Audio podcast episode]. In *Gradcast*. <https://gradcastradio.podbean.com/e/466-its-a-bird-its-a-plane-its-a-medical-delivery-drone/>

Anjum, A. & **Cruz, A.** (Hosts), & Khan, M. (Producer). (2024, March 5). *Not Boron at All: Fundamental Chemistry and Sustainability* (No. 450) [Audio podcast episode]. In *Gradcast*. <https://gradcastradio.podbean.com/e/450-not-boron-at-all-fundamental-chemistry-and-sustainability/>

Charron, C. & **Cruz, A.** (Hosts), & Lee, S. (Producer). (2023, November 7). *Dewey or Don't We? The Harms Library Catalogues Cause* (No. 439) [Audio podcast episode]. In *Gradcast*. <https://gradcastradio.podbean.com/e/439-the-secrets-of-the-library-critically-examining-library-cataloguing-systems/>

Mandur, C. & **Cruz, A.** (Hosts), & Hutchinson, A. (Producer). (2023, August 22). *Carrots and Dangerous Sticks: Ancient History of the Qin State* (No. 428) [Audio podcast episode]. In *Gradcast*. <https://gradcastradio.podbean.com/e/428-carrots-and-dangerous-sticks-ancient-history-of-the-qin-state/>

## MEDIA COVERAGE

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CBC News. (2025, July 19). Western University launches program to capitalize on shrinking U.S. research funding. *CBC News*. <https://www.cbc.ca/news/canada/london/western-university-launches-program-to-capitalize-on-shrinking-u-s-research-funding-1.7587989>

Charron, N. & Anjum, A. (Hosts). (2023, December 12). Cruz & Classify: A Study of Cognitive Categories (No. 444) [Audio podcast episode]. In *GradCast*. <https://gradcastradio.podbean.com/e/444-cruz-classify-a-study-of-cognitive-categories/>

## PROFESSIONAL AND TEACHING EXPERIENCE

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### Science Communication Intern

*Psychonomic Society*  
Feb 2025–Jul 2025

### Graduate Teaching Assistant

*University of Western Ontario*

Psychology 9041 - Intro. to Data Mgmt. and Lin. Models in R F2022–2024

Psychology 9040 - Scientific Computing W2024–2025

Psychology 2802 - Research Methods in Psychology II W2023

Psychology 2820 - Research Methods & Statistical Analysis in Psychology F2021, W2022

Psychology 3139 - Introduction to Cognitive Science W2021

### Supplemental Instruction Leader

*Ohio University*

Mathematics 1350 - Survey of Calculus Jan 2019–May 2019

Psychology 2110 - Statistics for the Behavioral Sciences Aug 2019–May 2020

## MENTORSHIP

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| <b>Independent Study Supervisor</b><br>Ann Njeru                        | <i>University of Western Ontario</i><br>2024–2025              |
| <b>Honours Thesis Supervisor</b><br>Evan Cross<br>Carson Rumble-Tricker | <i>University of Western Ontario</i><br>2022–2023<br>2021–2022 |
| <b>LINKS Peer Mentor</b><br>OMSAR Scholars                              | <i>Ohio University</i><br>2018–2020                            |

## PROFESSIONAL SERVICE

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| <b>Society of Graduate Students</b><br>Vice-President Academic<br>GradCast Managing Editor<br>GradCast Editorial Board Member | <i>University of Western Ontario</i><br>Oct 2024–Ongoing<br>May 2024–Oct 2024<br>Jul 2023–Apr 2024 |
| <b>PSAC 610</b><br>Union Steward, Psychology  | <i>University of Western Ontario</i><br>Feb 2024–Ongoing   |
| <b>Western Undergraduate Psychology Journal</b><br>Graduate Manuscript Reviewer   | <i>University of Western Ontario</i><br>May 2023–Ongoing   |
| <b>Ontario High School Ethics Bowl</b><br>Match Judge   | <i>University of Western Ontario</i><br>Feb 2023–Feb 2024  |
| <b>Coffee Talk Committee</b><br>Committee Member  | <i>Brain &amp; Mind Institute, University of Western Ontario</i><br>May 2023–Jan 2024              |

## OPEN SCIENCE PRE-REGISTRATIONS

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- Cruz, A.**, & Minda, J. P. (2021, June 9). Neural representations of stimulus category membership across modalities: A systematic review. <https://doi.org/10.17605/OSF.IO/5DMAU>
- Cruz, A.**, & Minda, J. P. (2021, August 3). Reliability of a domain-general adaptation of the Downs-Black (1998) tool: Pre-analytic plan. <https://doi.org/10.17605/OSF.IO/8YCJ9>

## PROFESSIONAL SOCIETY MEMBERSHIPS

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|---|--------------|
| <b>Cognitive Science Society</b>                                    | 2024–Ongoing |
| <b>Canadian Society for Brain, Behaviour, and Cognitive Science</b> | 2023–Ongoing |
| <b>Psychonomic Society</b>  | 2022–Ongoing |

## COURSES & CERTIFICATIONS

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| <b>Project Management: Essential Elements Certificate</b>   | Mar 2024 |
| <b>Neuromatch Academy Computational Neuroscience Course</b> | Aug 2021 |