

ZOE YOUNGZIE LEE

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<https://youngzielee.github.io/>

EDUCATION

University of California, Los Angeles (UCLA)

Ph.D. Candidate in Computational Cognition

Expected June 2026

Minor in Quantitative Psychology

Primary Advisor: Dr. Martin Monti

Dissertation: *Topological structure of global phenomenal consciousness*

M.A. in Psychology

Feb 2022

Master's Thesis: *Exploring the use of topic modeling for exploratory semantic analysis of consciousness scales*

University of California, Los Angeles (UCLA)

B.S. in Cognitive Science (GPA: 3.87, Dept. Honors)

June 2019

B.A. in Philosophy (GPA: 3.95, Dept. Honors)

Specialization in Computing

Cum Laude

RESEARCH

1. **Lee-Youngzie, Z.**, Tsuchiya, N., & Monti, M.M. (2024). Towards a Mathematical Structure of Global Phenomenal Consciousness. <https://doi.org/10.31234/osf.io/2u37y>
2. **Lee-Youngzie, Z.**, Kawamura, N., Tsuchiya, N., Lu, H., & Monti, M.M. (2024, July 4). Empirical construction of the topology of broader qualia. [Presentation]. The 27th Annual Meeting of the Association for Scientific Study of Consciousness, Tokyo, Japan.
3. Kang, A., Chen, J. Y., **Lee-Youngzie, Z.**, & Fu, S. (2024). Synthetic data generation with LLM for improved depression prediction. arXiv preprint arXiv:2411.17672.
4. Neural basis of Consciousness. (2023, September 2). Topology of phenomenological experience: Leveraging LLMs and feature similarity. [Video]. YouTube. <https://www.youtube.com/watch?v=Xj5Ww3tCfY4>.
5. **Lee, Y.**, Sern, P., Monti M.M. (2023, June 24). Investigating Dimensions of Consciousness for a Comprehensive Assessment of Phenomenological Experience. [Poster Presentation]. The 26th Annual Meeting of the Association for Scientific Study of Consciousness, New York, NY, United States.
6. Coetzee, J.P., Johnson, M.A., **Lee, Y.**, Wu, A.D., Iacoboni, M., & Monti, M.M. (2023). Dissociating Language and Thought in Human Reasoning. Brain Sciences, 13(1), Article 1. <https://doi.org/10.3390/brainsci13010067>

TEACHING

Teaching Fellow, University of California, Los Angeles (UCLA)

Jan 2021–present

Course Title	Quarters Taught	Mean rating (/9)
<u>Introduction to Functional Neuroimaging</u>	Fall 2024	8.63
	Fall 2022 Summer 2022	
<u>Laboratory in Cognitive Psychology</u>	Spring 2025	(ongoing)
<u>Laboratory in Cognitive Psychology: Neural Networks</u>	Winter 2025	7.5
	Winter 2024	
<u>Introduction to Cognitive Psychology</u>	Summer 2024 Fall	7.75
<u>Cognitive Psychology: Perception</u>	2023 Summer	8.32
	2023 Winter 2023	
	Spring 2022	
	Spring 2024	
<u>Research Methods in Psychology</u>	Winter 2021	7.75
<u>Introductory Psychology</u>		8.44

Teacher and director, Splash

Feb 2018–Jun 2023

- Student-led educational initiative to foster accessible and autonomous teaching and learning
- Taught around 500 middle and high school students on topics in cognitive science and philosophy
- Advised undergraduates on course design, lesson planning, and pedagogy.

Course Title	Date Taught	Program
<u>Searching for Minds, Empirically: Introduction to Neuroscience of Consciousness</u>	July 2020	MIT HSSP
<u>Searching for Minds, Metaphysically: Introduction to Philosophy of Consciousness</u>		
<u>Puzzling Paradoxes of Reality: Philosophical Puzzles in Metaphysics</u>	May 2020	LU Rainstorm
	Feb 2019	Claremont Splash
<u>Mind-Reading and Mind-Control: How to Measure and Manipulate Your Brain</u>	Nov 2019	MIT Splash
<u>The “High” Brain: Your Brain on Psychotropic Drugs</u>	Apr 2019	UCLA Splash
<u>Music for Emotional Humans: Emotion Recognition in Film Music</u>	Oct 2018	USC Splash

<u>Dazed and Confused: The Science and Art of Optical Illusions</u>	Mar 2018	MIT Spark
<u>Looking through the Lens of the Mind's Eye: The science and philosophy of imagination</u>	Feb 2018	UCLA Splash

Other teaching positions, UCLA

Course Title	Quarter Taught	Program
<u>Mechanical Mind and Mind-like Machinery: Introduction to AI and Consciousness</u>	Spring 2019	Undergraduate Student Initiated Education (USIE)
<u>Philosophy 31: Logic, First Course</u> <u>Philosophy 132: Logic, Second Course</u>	Fall 2016–Spring 2019	Undergraduate teaching assistant

SERVICE

Learning Unlimited, Inc.

Chief Executive Director	Dec 2024–present
Chair, Board of Directors	Mar 2022–Nov 2024
Program organizer, Rainstorm	Nov 2021–Jan 2022

- Leading operations of Learning Unlimited, a national nonprofit organization that supports college students to create and run educational outreach programs for middle and high school students across the U.S.
- Developed organizational and teaching resources for improving accessibility and effectiveness of programs.
- Mentoring student leaders and overseeing national collaboration.

MENTORING

Phyllis Sern	Mar 2022–Jun 2024
Nathaniel Whiteman	Feb 2024–Jun 2024
Amber Kashay	Nov 2021–Jun 2022
Jenna Pimenta	Nov 2021–Mar 2022

SCIENCE COMMUNICATION

The Quale at UCLA

Apr 2016–Jun 2018

- Founded and directed a cognitive science student organization dedicated to multidisciplinary study of the mind and science communication
- Designed, organized, and hosted quarterly academic symposia:
 - *An Interdisciplinary Exhibit for Emotional Humans* (Mar 2018)
 - *Across the Fathomless Chasm: Investigating our Consciousness* (Nov 2017)
 - *Free-willed or Bounded Automata? A Multifaceted Approach to Human Judgment and Decision-Making* (May 2017)
 - *The Art of Learning, Remembering, and Forgetting* (Mar 2017)

Psychology in Action, UCLA

Contributed Article: Why You Might Be Procrastinating and How to Get to Work

REFERENCES

Martin M. Monti, PhD.

Professor, UCLA Psychology

monti@ucla.edu

Hongjing Lu, PhD.

Professor, UCLA Psychology and Statistics

hongjing@ucla.edu

Naotsugu Tsuchiya, PhD.

Professor, Monash University

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Marco Iacoboni, MD., PhD.

Professor, UCLA Psychiatry and Behavioral Sciences

iacoboni@ucla.edu