

# ZOE YOUNGZIE LEE

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

## EDUCATION

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### 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

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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 27<sup>th</sup> 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 26<sup>th</sup> 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

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### 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	7.75
<u>Cognitive Psychology: Perception</u>	Fall 2023	8.32
	Summer 2023	
	Winter 2023	
	Spring 2022	
<u>Research Methods in Psychology</u>	Spring 2024	7.75
<u>Introductory Psychology</u>	Winter 2021	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

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#### 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

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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

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### 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

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Martin M. Monti, PhD.

*Professor, UCLA Psychology*

[monti@ucla.edu](mailto:monti@ucla.edu)

Hongjing Lu, PhD.

*Professor, UCLA Psychology and Statistics*

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Naotsugu Tsuchiya, PhD.

*Professor, Monash University*

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Marco Iacoboni, MD., PhD.

*Professor, UCLA Psychiatry and Behavioral Sciences*

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