

# Mariel K. Goddu

Alexander von Humboldt Postdoctoral Fellow  
PhD Student, Stanford University  
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## EMPLOYMENT

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<b>Alexander von Humboldt Postdoctoral Fellow</b> Centre for Advanced Study in the Humanities: "Human Abilities" ( <a href="#">profile</a> ) Institut für Philosophie, Freie Universität Berlin	October 2022-present
<b>Postdoctoral Fellow</b> , Harvard University Computation, Cognition, & Development Lab (PI: Tomer Ullman)	September 2020-September 2022
<b>Lab Manager &amp; Research Assistant</b> , Yale University Cognition & Development Lab (PI: Frank Keil)	May 2013-April 2015

## EDUCATION

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<b>Ph.D., Philosophy</b> , Stanford University ( <a href="#">profile</a> )	(Begin Fall 2024; Expected Fall 2029)
<b>Ph.D., Developmental Psychology</b> , University of California, Berkeley <i>Dissertation</i> : Abstract Causal Inference in Early Childhood ( <a href="#">précis</a> ) <i>Advisor</i> : Alison Gopnik; <i>Committee</i> : Steve Piantadosi & Mahesh Srinivasan (Psychology); John Campbell (Philosophy)	2020
<b>B.A., Psychology</b> , Yale University	2013

## FELLOWSHIPS & AWARDS

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2022-2024	Alexander von Humboldt Fellow (€76,080)
2021	Diverse Intelligences Summer Institute Fellow (\$1,250)
2020	UC Berkeley Institute for Brain & Cognitive Sciences Seed Grant (\$4,000)
2020	UC Berkeley Graduate Student Assembly in Psychology Travel Award (\$800)
2019	Cognitive Development Society Diversity Travel Award (\$500)
2019	UC Berkeley College of Letters & Science Lisa M. Capps Memorial Endowment Award (\$13,000)
2019	The Orion Family Foundation Fund (\$2,500)
2019	UC Berkeley Graduate Division Conference Travel Grant (\$900)
2018	Society for Philosophy & Psychology Poster Prize
2018	Society for Philosophy & Psychology Diversity Award (\$100)
2018	Society for Philosophy & Psychology Graduate Student Travel Award (\$100)
2018-2019	UC Berkeley Graduate Division Teaching Effectiveness Award (\$500)
2018-2019	UC Berkeley Graduate Division Outstanding Graduate Student Instructor Award
2017	UC Berkeley Graduate Division Conference Travel Grant (\$1,500)
2016	NSF Graduate Research Fellowships Program Honorable Mention
2010-2011	Yale University Edward Zigler Center for Child Development & Social Policy Fellow
2009-2010	Yale University Kingman Brewster Memorial Scholarship (\$3,000)
2008	Yale University President's Public Service Fellowship (\$7,500)
2007	Staples High School Valedictorian Award
2007	National Merit Scholarship

## PUBLICATIONS & PEER-REVIEWED CONFERENCE PROCEEDINGS

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- Zhu, R., **Goddu, M. K.**, & Gopnik, A. (*in press*). Providing explanations shifts preschoolers' metaphor preferences. In Nichols, S. & Knobe, J. (Eds.) *Oxford Studies in Experimental Philosophy*. Oxford University Press. ([book chapter](#))
- Goddu, M. K.** & Gopnik, A. (2022). Scientific thinking and reasoning in infants and young children. In Olivier Houdé & Gregoire Borst (Eds.) *The Cambridge Handbook of Cognitive Development*. Cambridge University Press. ([book chapter](#))
- Lapidow E., Tandon T., **Goddu, M. K.**, & Walker C.M. (2021) A Tale of Three Platforms: Investigating Preschoolers' Second-Order Inferences Using In-Person, Zoom, and Lookit Methodologies. *Frontiers in Psychology*: 4433. ([paper](#))
- Goddu, M. K.** , Sullivan, N., & Walker, C. (2021). Toddlers learn and flexibly apply multiple possibilities. *Child Development*. ([paper](#))
- Lockhart, K. L., **Goddu, M. K.** , & Keil, F. C. (2021) How much can you learn in one year? How content, pedagogical resources, and learner's age influence beliefs about knowledge acquisition. *Cognitive Development*, 60, 101115. ([paper](#))
- Zhu, R., **Goddu, M. K.**, & Gopnik, A. (2021). Providing explanations shifts preschoolers' metaphor preferences. In *Proceedings of the Annual Meeting of the Cognitive Science Society* (Vol. 43, No. 43). ([conference proceeding](#))
- Goddu, M. K.** , Lombrozo, T., & Gopnik, A. (2020). Transformations and transfer: Young children understand abstract relations and reason analogically in a causal task, *Child Development*. ([paper](#))
- Goddu, M. K.** , Katz, T. & Walker, C.M. (2020). What else could happen? Two-, three-, and four-year-olds use variability information to infer novel causal outcomes. In S. Denison, M. Mack, Y. Xu, & B. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society*. ([conference proceeding](#))
- Goddu, M. K.** & Walker, C.M. (2020). Certain to be surprised: A preference for novel causal outcomes develops in early childhood. In S. Denison, M. Mack, Y. Xu, & B. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society*. ([conference proceeding](#))
- Zhu, R., **Goddu, M. K.** , & Gopnik, A. (2020). 4- and 5-year-olds' comprehension of functional metaphors. In S. Denison, M. Mack, Y. Xu, & B. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society*. ([conference proceeding](#))
- Goddu, M. K.** , & Gopnik, A. (2020). Learning what to change: Young children use "difference-making" to identify causally relevant variables. *Developmental Psychology*, 56(2), 275. ([paper](#))
- Wente, A. O., **Goddu, M. K.** , Garcia, T., Posner, E., Fernández Flecha, M., & Gopnik, A. (2019). Young Children Are Wishful Thinkers: The Development of Wishful Thinking in 3-to 10-Year-Old Children. *Child Development*, 91(4), 1166–1182. ([paper](#))
- Goddu, M. K.** & Walker, C.M. (2018). Toddlers and Adults Simultaneously Track Multiple Hypotheses in a Causal Learning Task. In N. Miyake, D. Peebles, & R. P. Cooper (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society*. Madison, WI: Cognitive Science Society. ([conference proceeding](#))
- Lockhart, K. L., **Goddu, M. K.** , & Keil, F. C. (2018). When saying "I'm best" is benign: Developmental shifts in perceptions of boasting. *Developmental Psychology*, 54(3), 521–535. ([paper](#))

Lockhart, K. L., **Goddu, M. K.**, & Keil, F. C. (2016). Overconfidence about future knowledge: Early arrogance? *Journal of Positive Psychology*, 1–11. ([paper](#))

Lockhart, K. L., **Goddu, M. K.**, Smith, E., & Keil, F. C. (2016). What could you really learn on your own?: Understanding the epistemic limitations of different kinds of knowledge acquisition. *Child Development*, 87(2), 477–493. ([paper](#))

Fisher, M., **Goddu, M. K.**, & Keil, F. C. (2015). Searching for explanations: How the Internet inflates estimates of internal knowledge. *Journal of Experimental Psychology: General*, 144(3), 674–687. ([paper](#))

## PREPRINTS & IN-PREP

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Zhu, R., **Goddu, M. K.**, & Gopnik, A. ([preprint](#)) Preschoolers' comprehension of functional metaphors.

Engelmann, J. M., Völter, C. J., **Goddu, M. K.**, Call, J., Rakoczy, H., & Hermann, E. (*under review*). Chimpanzees prepare for alternative possible outcomes.

**Goddu, M. K.**, & Gopnik, A. (*under review*) The development of human causal learning and reasoning.

**Goddu, M. K.** & Gopnik, A. (*in prep*) The origins of innovation: Abstract causal problem solving in human toddlers.

**Goddu, M. K.**, Lapidow, E., & Walker, C. M. (*in prep*) A preference for novel causal outcomes develops in early childhood.

Popat, A., **Goddu, M. K.**, Lapidow, E., Katz, T., & Walker, C. M. (*in prep*) Making new things happen: Children infer novel causal outcomes from variability information.

Lapidow, E., **Goddu, M. K.**, & Walker, C. M. (*in prep*). Reasoning from samples to populations: Children use variability information to predict future outcomes.

Pinter, V., **Goddu, M. K.** & Gopnik, A. (*in prep*) Meaningful differences: Preschoolers reason relationally in mechanical, psychological, and social-conventional contexts.

**Goddu, M. K.\***, Rule, J. S.\*, Chu, J., Pinter, V., Bonawitz, E., Gopnik, A., & Ullman, T. (*in prep*). Fun isn't easy: Children optimize for difficulty when playing for fun vs. playing to win.

*\*indicates equal authorship contribution*

## TALKS, SYMPOSIA, & WORKSHOPS

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**Goddu, M. K.** & Krickel, B. (2023). What are cognitive character identity mechanisms? Talk presented at *Traits of Contention: Character Identification and Comparative Thinking in Evolutionary, Developmental, and Behavioural Biology* workshop at Centre for Logic and Philosophy of Science, Institute of Philosophy, KU Leuven. Leuven, Belgium.

**Goddu, M. K.** (2023). Cognition as a biological phenomenon: What are cognitive character identity mechanisms? presented at *Freie Universität Berlin Theoretical Philosophy Colloquium*, Berlin, Germany.

**Goddu, M. K.** (2023). Developing a “point of do”: Seeing the way forward. Talk presented at *Stanford University Philosophy Graduate Student Colloquium*, Palo Alto, CA.

- Goddu, M. K.** (2022). 'Possibilities-first' Cognition? Perspectives from Biology. Talk presented at *The Science & Philosophy of Modal Thought* workshop at Centre for Advanced Study in the Humanities: "Human Abilities," Berlin, Germany.
- Goddu, M. K.** & Phillips, J. S. (2022) *The Science & Philosophy of Modal Thought*. Workshop organized at the Centre for Advanced Study in the Humanities: "Human Abilities," Berlin, Germany.
- Goddu, M. K.** (2022). Having a sense of the possible. Talk presented at *Universität Göttingen Cognitive Science Colloquium*, Göttingen, Germany.
- Goddu, M. K.** (2022). Mind, life, & action: Seeing opportunities. Talk presented at the *Centre for Advanced Study in the Humanities: "Human Abilities" Jour Fixe*, Berlin, Germany.
- Goddu, M. K.** (2022). Knowing what to do. Talk presented at *Freie Universität Berlin Theoretical Philosophy Colloquium*, Berlin, Germany.
- Goddu, M. K.** (2022). Play: A computational perspective. Talk presented at *Harvard University Laboratory for Developmental Studies Seminar*, Cambridge, MA. ([video link](#))
- Goddu, M. K.** (2022). Play: A computational perspective. Talk presented at *Brown University Developmental Brown Bag Seminar*, Providence, RI.
- Goddu, M. K.**, Rule, J. S., Bonawitz, E., Gopnik, A., & Ullman, T. (2022). Fun isn't easy: Children optimize for difficulty when "playing for fun" vs. "playing to win" in a game design task. Virtual presentation at the *Budapest CEU Conference on Cognitive Development*, virtual conference.
- Goddu, M. K.** , & Gopnik, A. (2021). Transforming views of conceptual development: Early causal reasoning and relational concepts. Talk presented at the *Society for Philosophy and Psychology*, virtual conference.
- Lapidow, E., **Goddu, M. K.** , & Walker, C. M. (2021). Reasoning from samples to populations: Can children use variability information to predict future outcomes? Talk presented at the *Society for Research in Child Development*, virtual conference.
- Goddu, M. K.** (2020). Where do new ideas come from? Abstract causal inference in early childhood. Talk presented at *UC Berkeley Institute of Human Development*, Berkeley, CA.
- Gopnik, A., **Goddu, M. K.** , & Walker, C. M. (2020). Relational reasoning and learning in children and AI. Talk presented at the *International Conference on Machine Learning*, virtual conference.
- Goddu, M. K.** , Sullivan, J. N., & Walker, C. M. (2020). Toddlers and adults simultaneously reason about multiple possible hypotheses. Talk presented at the *Budapest Central European University Cognitive Development Conference*, Budapest, Hungary.
- Goddu, M. K.** , Sullivan, J. N., & Walker, C. M. (2019). Toddlers and adults simultaneously reason about multiple possible hypotheses. Talk presented at the *Society for Philosophy and Psychology*, San Diego, CA.
- Goddu, M. K.** & Walker, C. M. (2019). Young children form overhypotheses about uncertain outcomes that guide predictions in a causal reasoning task. Talk presented at the *Society for Research in Child Development*, Baltimore, MD.

- Goddu, M. K.** (2018). Causing logical thinking: Early causal reasoning elucidates the problem of variable choice. Talk presented at *UC Berkeley Institute of Human Development*, Berkeley, CA.
- Goddu, M. K.** (2018). Causing logical thinking: Early causal reasoning promotes higher order cognitive abilities. Talk presented at *Stanford Developmental Brown Bag*, Palo Alto, CA.
- Goddu, M. K.** (2018). Democracy in infancy: Early cognitive development and good citizenship. Talk presented at *Bay Area Beacon of Science*, Marin, CA.
- Goddu, M. K.** (2018). Interview with DJ Marilyn on KPOO 89.5 FM San Francisco's "Let me touch your mind."  
[http://www.vicesbyproxy.com/kpoo\\_play/lmtym.html](http://www.vicesbyproxy.com/kpoo_play/lmtym.html)
- Goddu, M. K.** (2018). Causing logical thinking: Early causal reasoning promotes higher order cognitive abilities. Talk presented at *Stanford Cognitive and Neuroscience Friday Seminar*, Palo Alto, CA.
- Goddu, M. K.** (2018). A history of your mind in 17 minutes. Talk presented at *Taste of Science (San Francisco)*, San Francisco, CA.
- Goddu, M. K.** (2018). Overhypotheses in early causal reasoning & the problem of variable choice. Talk presented at *UC Berkeley Cognition Colloquium*, Berkeley, CA.
- Goddu, M. K.** (2017). Where do new ideas come from? Talk presented at the *Bay Area Beacon of Science "Ask a Science Envoy,"* San Francisco, CA.
- Goddu, M. K.** & Gopnik, A. (2017). Preschoolers rationally use evidence to select causally relevant variables. Talk presented at the *UC Berkeley Institute of Human Development*, Berkeley, CA.
- Goddu, M. K.** , Lombrozo, T., & Gopnik, A. (2017). Causal framing supports young children's analogical reasoning. Talk presented at the *Society for Psychology and Philosophy*, Baltimore, MD.
- Goddu, M. K.** & Walker, C. M. (2017) Setting the stage for abstraction: Developing analogical reasoning in context. Symposium at the *Society for Research in Child Development*, Austin, TX.
- Goddu, M. K.** , Lombrozo, T., & Gopnik, A. (2017). Causal framing supports young children's analogical reasoning. Talk presented at the *Society for Research in Child Development*, Austin, TX.
- Goddu, M. K.** , Lombrozo, T., & Gopnik, A. (2017). Causal framing supports young children's analogical reasoning. Talk presented at the *UC Berkeley Institute of Human Development*, Berkeley, CA.
- Goddu, M. K.** , Lombrozo, T., & Gopnik, A. (2016). Analogical transfer in 3- and 4-year-olds. Talk presented at the *Stanford-UC Berkeley-UC Santa Cruz Developmental Psychology Symposium*, Berkeley, CA.
- Goddu, M. K.** , Lombrozo, T., & Gopnik, A. (2016). The developmental of analogical reasoning for causal events: Lessons from wizardry. Talk presented at *UC Berkeley Cognition Colloquium*, Berkeley, CA.
- Goddu, M. K.** , Lombrozo, T., & Gopnik, A. (2016). Analogical transfer in 3- and 4-year-olds. Talk presented at the *UC Berkeley Institute of Human Development*, Berkeley, CA.

- Lockhart, K. L., **Goddu, M. K.**, & Keil, F. C. (2015). Developmental shifts in children's perceptions of boasting. Talk presented at the annual meeting of the *Association for Psychological Science*, New York City, NY.
- Fisher, M., **Goddu, M. K.**, & Keil, F.C. (2015). Searching for explanations: How the internet inflates estimates of internal knowledge. Talk presented at the annual meeting of the *Association for Psychological Science*, New York City, NY.
- Fisher, M., **Goddu, M. K.**, & Keil, F.C. (2014). Knowing without knowing. Talk presented at *Yale University Current Work in Developmental Psychology*, New Haven, CT.
- Johnston, A. M., Sheskin, M. I., **Goddu, M. K.**, Kahan, D. M., & Keil, F. C. (2013, April). Media-induced doubt in expert consensus: What role does "balanced coverage" play? Talk presented at the Harvard-Yale Workshop, New Haven, CT.

## POSTER PRESENTATIONS

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- Goddu, M. K.** Rule, J. S., Bonawitz, E., Gopnik, A., & Ullman, T. (2022 April). Fun isn't easy: Children optimize for difficulty when "playing for fun" vs. "playing to win" in a game design task. Poster presented at the 2022 *Cognitive Development Society* conference, Madison, WI.
- Goddu, M. K.** Rule, J. S., Bonawitz, E., Gopnik, A., & Ullman, T. (2022 April). Fun isn't easy: Children optimize for difficulty when "playing for fun" vs. "playing to win" in a game design task. Poster presented at the 2022 *Society for Research in Child Development's Learning through Play and Imagination: Expanding Perspectives* conference, St. Louis, MO.
- Goddu, M. K.**, Rule, J. S., Bonawitz, E., Gopnik, A., & Ullman, T. (2022). Fun isn't easy: Children optimize for difficulty when "playing for fun" vs. "playing to win" in a game design task. Virtual presentation at the *Budapest CEU Conference on Cognitive Development*, virtual conference.
- Zhu, R., **Goddu, M. K.**, & Gopnik, A. (2021 June). Can preschoolers shift their metaphor preferences?. Poster presented at the 2021 *Society for Philosophy and Psychology* virtual conference.
- Goddu, M. K.**, Katz, T., & Walker, C. M. (2020 August). What else could happen? Two-, three-, and four-year-olds use variability information to infer novel causal outcomes. Poster presented at the 2020 *Cognitive Science Society* virtual conference.
- Zhu, R., **Goddu, M. K.**, & Gopnik, A. (2020 July). 4- and 5-year-olds' comprehension of functional metaphors. Poster presented at the 2020 *Cognitive Science Society* virtual conference.
- Goddu, M. K.** & Walker, C. M. (2020 July). Certain to be surprised: A preference for novel causal outcomes develops in early childhood. Poster presented at the 2020 *Cognitive Science Society* virtual conference.
- Goddu, M. K.** & Gopnik, A. (2020 July). Toddlers and preschoolers use relational concepts to solve problems. Poster presented at the 2020 *Cognitive Science Society* virtual conference.
- Goddu, M. K.** & Gopnik, A. (2019 October). Toddlers and preschoolers reason relationally in a causal problem-solving task. Poster presented at the 2019 *Cognitive Development Society* conference, Louisville, KY.
- Zhu, R., **Goddu, M. K.**, & Gopnik, A. (2019 July). Preschoolers' metaphor comprehension in causal contexts. Poster presented at the 2019 *Society for Philosophy and Psychology*, San Diego, CA.

- Goddu, M. K.** & Walker, C. M. (2018 July). Toddlers and adults simultaneously track multiple hypotheses in a causal learning task. Poster presented at the 2018 *Cognitive Science Society* conference, Madison, WI.
- Goddu, M. K.** & Gopnik, A. (2018 July). Young children rationally use evidence to select causally relevant variables for intervention. Poster presented at the 2018 *Society for Philosophy & Psychology* conference, Ann Arbor, MI.
- Goddu, M. K.** & Gopnik, A. (2017 October). Preschoolers rationally use evidence to select causally relevant variables. Poster presented at the 2017 *Cognitive Development Society* conference, Portland, OR.
- Goddu, M. K.** , Lombrozo, T., & Gopnik, A. (2017 July). Causal framing supports young children’s analogical reasoning. Poster presented at the 2017 *Analogy* conference, Paris, France.
- Wente, A., O., **Goddu, M. K.** , Posner, E., Garcia, T., Flecha, M. F., & Gopnik, A. (2017 July). Are we naturally optimistic? Desires influence 3- to 6-year-old Peruvian and North American children’s probabilistic judgments. Poster presented at the 2017 *Cognitive Science Society*, London, UK.
- Keil, F.C., Lockhart, K.L., & **Goddu, M. K.** (2015 March). *Overconfidence About Future Knowledge: Early Arrogance?* Poster presented at the 2015 Society for Research in Child Development conference, Philadelphia, PA.
- Lockhart, K.L., Merriam, J., **Goddu, M. K.** , & Keil, F.C. (2015 March). *No Pain, No Gain? How Beliefs About Painful-Effortful Medical Interventions Shift Over Development.* Poster presented at the 2015 Society for Research in Child Development conference, Philadelphia, PA.
- Lockhart, K.L., **Goddu, M. K.** , Binner, A., Lasch, C., Wippick, H., & Keil, F.C. (2015 March). *Optimistic, Self-Enhancing, and Boastful: Young Children’s Expectations About Knowledge Acquisition Over One Year.* Poster presented at the 2015 Society for Research in Child Development conference, Philadelphia, PA.
- Fisher, M., **Goddu, M. K.** , & Keil, F. C. (2014). Searching for explanations: Illusions of the extended mind. Poster presented at the *Web Science and the Mind Conference*, Montreal, Canada.
- Fisher, M., **Goddu, M. K.** , & Keil, F. C. (2014, May). *Searching for explanations: Illusions of the extended mind.* Poster presented at the *John Templeton Meeting on Intellectual Humility*, St. Louis, MO.
- Lockhart, K. L., **Goddu, M. K.** , & Keil, F. C. (2014, May). *Overconfidence about Future Knowledge: Early Arrogance?* Poster presented at the 2014 John Templeton Foundation Annual Conference, St. Louis, MO.
- Johnston, A. M., Sheskin, M. I., **Goddu, M. K.** , Kahan, D. M., & Keil, F. C. (2014, February). *Media-induced doubt in expert consensus: What role does "balanced coverage" play?* Poster presented at the 15<sup>th</sup> Annual Meeting of the Society for Personality and Social Psychology, Austin, Texas.
- Johnston, A. M., **Goddu, M. K.** , & Keil, F. C. (2013, October). *Nothing but the truth? Developing notions of explanatory relevance.* Poster presented at the 8<sup>th</sup> Biennial Meeting of the Cognitive Development Society, Memphis, Tennessee.

## UNDERGRADUATE TEACHING

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*Philosophy of Mind* (PHIL 132), UC Berkeley  
 Guest Lecturer (Instructor: Alva Noë)

Fall 2021

- *Guest lectures:*
  - ‘Mind the gap’: Necessity, Possibility, & Freedom in Hans Jonas’s “To move and to feel”
  - What good is need? Necessity & value in Hans Jonas’s “Cybernetics and purpose: A critique”

*Developmental Psychology* (PSYCH X140), UC Berkeley Extension  
Lead Instructor

Fall 2020 & Spring 2020

*Methods in Cognitive Development* (PSYCH 147), UC Berkeley  
Guest Lecturer (Professor: Celeste Kidd)

Spring 2020

- *Guest lecture:*
  - Causal framing improves early analogical reasoning

*Introduction to Psychology* (PSYCH 221), San Quentin Prison University Project  
Co-Lead Instructor with Maedbh King

Spring 2019

*Early Development & Learning Science Core Seminar* (PSYCH 149), UC Berkeley  
Guest Lecturer (Instructor: Margaret Bridges)

Summer 2018

- *Guest lecture:* Cause-and-effect? Cause an effect!: Why causal reasoning matters in early childhood education

*Developmental Psychology* (PSYCH 140), UC Berkeley  
Graduate Student Instructor (Professor: Alison Gopnik)

Spring 2018

- *Guest lectures:*
  - Conceptual Development
  - Gender Development
- *Awards:*
  - Outstanding Graduate Student Instructor Award
  - Teaching Effectiveness Award

*Perception* (PSYCH/COGSCI C126), UC Berkeley  
Graduate Student Instructor (Professor: David Whitney)

Spring 2017

## **ACADEMIC SERVICE & OUTREACH**

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*Wonderfest*  
Science Envoy

*San Francisco, CA*  
Fall 2017–Spring 2018

- One of 12 PhD students from UC Berkeley & Stanford selected for yearlong training in science communication (writing, public speaking, improvisation)
- Gave public science talks and participated in workshops

*UC Berkeley Chancellor's Free Speech Commission*  
Graduate Student Representative

*Berkeley, CA*  
Fall 2017–Spring 2018

- One of 2 PhD students selected to serve on commission comprised of faculty, staff, and students to make policy recommendations to Chancellor Carol Christ regarding Free Speech at UC Berkeley

*Frontiers for Young Minds*  
Science Mentor

*Berkeley, CA*  
Spring–Fall 2017

- Worked with elementary schoolers in Oakland, CA to critically evaluate manuscripts in neuroscience and psychology to shape scientific research articles tailored for children

*Quantitative Analysis & Coding Knowledge (QuACK)*  
Co-founder & co-coordinator

*Berkeley, CA*  
Fall 2016

- Designed and coordinated workshops on quantitative and coding skills for graduate students in Psychology



*Bay Area Scientists in Schools (BASIS)*

*Oakland, CA*

Graduate student volunteer science instructor

Spring–Fall 2016

- Designed curricula on everyday applications of experimental design and data science for first graders

*Joan Ganz Cooney Center for Educational Media Research at Sesame Workshop*

*New York, NY*

Research intern

Summer 2010

- Wrote blog posts, assisted with literature review on “joint media engagement” & projects evaluating the efficacy of educational games and apps

**PUBLIC SERVICE IN EDUCATION**

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*Leadership, Education, & Athletics in Partnership (LEAP)-AmeriCorps*

*New Haven, CT*

Science Instructor, “R.E.A.L. Science” (“Right now, Everyone’s Actually Living Science”) Spring 2015, Summer 2014

- Designed & taught curricula on applying scientific reasoning in everyday life to class of eighteen 11–13 year olds

Senior Counselor & Educator

Spring, Summer, & Fall 2009

- Taught math, reading, & social studies to class of thirteen 9–10 year olds
- ‘Best Classroom’ Award, Summer 2009

*Westport Continuing Education*

*Westport, CT*

Teaching Assistant & Lab Manager (High School Accelerated Chemistry)

Summer 2012

- Prepared and presented original lesson plans; organized & led daily laboratory activities for class of 20

*Mercy Learning Center for Women’s Literacy*

*Bridgeport, CT*

Teaching Assistant & ‘Family Literacy’ Workshop Curriculum Developer & Teacher

Spring–Summer 2011

- Taught phonics, math, music, and ESL to class of fifteen 2–5 year olds
- Designed and facilitated activities to foster parental engagement with children’s reading to class of 40

*Eli Whitney Museum and Workshop*

*New Haven, CT*

Assistant to the Director & Head Counselor of 20 counselors

Summer 2008

- Taught directed workshops on basic electrical and mechanical engineering to 5–12 year olds
- Led engineering workshop (“Hello, Girls!”) for 75 elementary aged girls

Summer 2014