

Madeline G. Reinecke

University of Oxford
Department of Psychiatry + Uehiro Centre for Practical Ethics
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Employment

Postdoctoral Researcher in Collective Moral Development
University of Oxford (dual appointment in Psychiatry
and Uehiro Centre for Practical Ethics)
PI: Ilina Singh
January 2024 - Present

Ethics Research Intern
Google DeepMind
Manager: Julia Haas
June 2022 - October 2022

Education

PhD in Developmental Psychology
MSc in Developmental Psychology
MPhil in Developmental Psychology
Yale University
Advisor: Paul Bloom
2017 - 2023
2017 - 2020
2017 - 2019

BSc in Psychology and Philosophy (highest honors)
Summa cum laude
University of Illinois at Urbana-Champaign
Advisor: Andrei Cimpian
2013 - 2017

Honors

Phi Beta Kappa
Dean's List
Phi Kappa Phi
Phi Sigma Tau International Honor Society in Philosophy
Psi Chi International Honor Society in Psychology
Phi Eta Sigma National Honor Society
May 2017
All semesters
January 2016
January 2015
August 2014
January 2014

Awards

Phi Kappa Phi Love of Learning Award
Franke Interdisciplinary Research Fellowship
James Crosby Chapman Scholarship Fund
Franke Interdisciplinary Research Fellowship
Society for Personality and Social Psychology Graduate Travel Award
September 2021
September 2020
September 2020
September 2019
September 2019

APAGS & Psi Chi Junior Scientist Fellowship	September 2018
Society for Philosophy and Psychology Travel Award	July 2018
Developmental Psychology Outstanding Undergraduate Student Award	May 2017
James E. Spoor Scholarship	May 2016
Undergraduate Research Certificate	May 2016
Howard F. Crombie Scholarship	April 2016
P.E.O. Star Scholarship	June 2013

Research experience

Center for the Science of Moral Understanding Research Affiliate	November 2020 - Present
Honors Thesis Student (Advisor: Andrei Cimpian, UIUC)	January 2016 - May 2017
Cognitive Development Lab Supervisor & Research Assistant (Advisor: Andrei Cimpian, UIUC)	January 2015 - May 2017
Mind Perception and Morality Lab Visiting Scholar (Advisor: Kurt Gray, UNC-CH)	June 2015 - August 2015
Stress and Depression Lab Research Assistant (Advisor: Jacqueline Gollan, Northwestern)	June 2010 - August 2012

Publications

- Reinecke, M.G.**, & Solomon, L.H. (2023). [Children deny that God could change morality](#). *Cognitive Development*, 68(101393).
- Mao, Y.*, **Reinecke, M.G.***, Kunesch, M., Duéñez-Guzmán, E., Comanuescu, R., Haas, J., & Leibo, J. (2023). [Doing the right thing for the right reason: Evaluating artificial moral cognition by probing cost insensitivity](#). *NeurIPS*.
- Reinecke, M.G.***, Mao*, Y., Kunesch, M., Duéñez-Guzmán, E., Haas, J., & Leibo, J. (2023). [The puzzle of evaluating moral cognition in artificial agents](#). *Cognitive Science*, 47(8).
- Reinecke, M.G.**, Wilks, M., & Bloom, P. (2021). [Developmental changes in perceived moral standing of robots](#). *Proceedings of the 43rd Annual Meeting of the Cognitive Science Society*.
- Weidinger, L., **Reinecke, M.G.**, & Haas, J. (Submitted). [Artificial moral cognition: Learning from developmental psychology](#). Submitted to *Cognition*.
- Reinecke, M.G.**, & Horne, Z. (Revision requested). [Immutable morality: Even God could not change some moral facts](#). Submitted to *Cognitive Science*.

Reinecke, M.G., Marshall, J., & Bloom, P. (Revision requested). Do harmless wrongs exist? Submitted to *Cognition*.

Reinecke, M.G., & Bloom, P. (In preparation). *What makes a victim? Agency matters for dignity-based suffering*.

Reinecke, M.G., & Bloom, P. (In preparation). *Theories of moral standing*.

Conference presentations, invited talks, & commentary

Reinecke, M.G., Wilks, M., & Bloom, P. (2024, March). *Developmental changes in the perceived moral standing of robots*. Talk presented at Expanding Empathy: Empathy & AI, Penn State, Pennsylvania.

Reinecke, M.G. (2024, April). *The double-edged sword of anthropomorphism in LLMs*. Talk presented at Adaptive Education: Harnessing AI for Academic Progress, virtual.

Reinecke, M.G., Wilks, M., & Bloom, P. (2024, March). *Developmental changes in the perceived moral standing of robots*. Talk presented at AI Ethics & Human-Computer Interaction: Theoretical and Empirical Approaches to AI Ethics, Graz, Austria.

Reinecke, M.G. (2024, February). *Evaluating artificial moral cognition*. Talk presented at the Causality in Cognition Lab, Palo Alto, California.

Reinecke, M.G. (2023, December). *Leveraging observation for artificial moral cognition*. Commentary on Rebecca Saxe's talk presented at MP² workshop at NeurIPS, New Orleans, Louisiana.

Mao, Y.*, **Reinecke, M.G.***, Kunesch, M., Duéñez-Guzmán, E., Comanulescu, R., Haas, J., & Leibo, J. (2023, December). Doing the right thing for the right reason: Evaluating artificial moral cognition by probing cost insensitivity. Poster presented at MP² workshop at NeurIPS, New Orleans, Louisiana.

Reinecke, M.G. & Bloom, P. (2023, June). *Mind perception and experimental bioethics*. Talk presented at the Yale-Oxford-Jagiellonian BioXPhi Summit, Kraków, Poland.

Reinecke, M.G.*, Mao*, Y., Kunesch, M., Duéñez-Guzmán, E., Haas, J., & Leibo, J. (2023, June). *The puzzle of evaluating moral behavior*. Talk presented at the Moral Psychology of Artificial Intelligence Conference, Kent, United Kingdom.

Reinecke, M.G., Wilks, M., & Bloom, P. (2023, June). *Developmental changes in the perceived moral standing of robots*. Poster presented at the Society for Philosophy and Psychology, Pittsburgh, Pennsylvania.

Reinecke, M.G., Wilks, M., & Bloom, P. (2023, February). *Developmental changes in the perceived moral standing of robots*. Talk presented at the Concepts and Cognition Lab, Princeton, New

Jersey.

- Reinecke, M.G.,** Wilks, M., & Bloom, P. (2022, November). *Developmental changes in the perceived moral standing of robots*. Talk presented at the University of Toronto Developmental Psychology Talk Series, Toronto, Ontario.
- Reinecke, M.G.** (2022, October). *Moral psychology for AI development*. Talk presented at DeepMind, London, United Kingdom.
- Reinecke, M.G.,** & Heiphetz, L. (2022, April). *Children deny that God could change morality*. Talk presented at the Bi-Ennial Conference for the Cognitive Development Society, Madison, WI.
- Reinecke, M.G.,** Wilks, M., & Bloom, P. (2021, July). *Developmental changes in the perceived moral standing of robots*. Talk presented at the 43rd Annual Meeting of the Cognitive Science Society, virtual.
- Reinecke, M.G.,** Wilks, M., & Bloom, P. (2021, July). *Developmental changes in the perceived moral standing of robots*. Talk presented at the 43rd Annual Meeting of the Cognitive Science Society, virtual.
- Reinecke, M.G.,** Marshall, J., & Bloom, P. (2021, June). *Harmfulness decouples from immorality in harm-based moral judgment*. Poster presented at the Meeting for the Society for Philosophy and Psychology, virtual.
- Reinecke, M.G.,** Wilks, M., & Bloom, P. (2021, May). *Developmental changes in the perceived moral standing of robots*. Talk presented at the Six College Conference, virtual.
- Reinecke, M.G.** (2021, March). *In response to “People make sub-optimal moral decisions about euthanizing humans as compared with animals.”* Commentary on Geoffrey Goodwin’s talk presented at Data Colada Seminar Series, virtual.
- Reinecke, M.G.,** Wilks, M., & Bloom, P. (2021, February). *Developmental changes in the perceived moral standing of robots*. Poster presented at the Meeting for the Society for Personality and Social Psychology, virtual.
- Reinecke, M.G.,** & Horne, Z. (2021, February). *Immutable morality: Even God could not change some moral facts*. Poster presented at the Meeting for the Society for Personality and Social Psychology, virtual.
- Reinecke, M.G.,** Porot, N., & Bloom, P. (2020, October). *Minds without moral standing*. Talk presented at the Group for Empirical Approaches to Morality and Society.
- Reinecke, M.G.,** Wilks, M., & Bloom, P. (2020, February). *Developmental changes in the perceived moral standing of robots*. Poster presented at the Meeting for the Society for Personality and Social Psychology, New Orleans, LA.

- Reinecke, M.G.,** Marshall, J., & Bloom, P. (2020, February). *Harmfulness decouples from immorality in harm-based moral judgment.* Poster presented at the Meeting for the Society for Personality and Social Psychology, New Orleans, LA.
- Reinecke, M.G.,** Wilks, M., & Bloom, P. (2020, February). *Developmental changes in the perceived moral standing of robots.* Poster presented at the Bi-Ennial Conference for the Cognitive Development Society, Louisville, KY.
- Reinecke, M.G.,** & Bloom, P. (2019, April). *What makes a moral patient? Agency matters for dignity-based suffering.* Talk presented at the Five College Conference, New York, NY.
- Reinecke, M.G.,** & Bloom, P. (2019, February). *What makes a moral victim? Agency matters for dignity-based suffering.* Poster presented at the Meeting for the Society of Personality and Social Psychology, Portland, OR.
- Reinecke, M.G.,** & Horne, Z. (2018, July). *People's (inconsistent) attitudes about foundational moral beliefs.* Poster presented at the Annual Meeting of the Cognitive Science Society, Madison, WI.
- Reinecke, M.G.,** & Bloom, P. (2019, April). *What makes a moral patient? Considering the role of agency in dignity-based harm.* Poster presented at the Annual Meeting of the Society for Philosophy and Psychology, Ann Arbor, MI.
- Reinecke, M.G.,** Storage, D., & Cimpian, A. (2017, April). *Mechanisms by which "brilliance-required" messages hinder female performance.* Poster presented at the University of Illinois Undergraduate Research Symposium, Champaign, IL.
- Reinecke, M.G.,** & Horne, Z. (2016, September). *People's (inconsistent) attitudes about foundational moral beliefs.* Poster presented at the Buffalo Experimental Philosophy Conference, Buffalo, NY.
- Reinecke, M.G.,** & Horne, Z. (2016, June). *People's (inconsistent) attitudes about foundational moral beliefs.* Poster presented at the Annual Meeting of the Society for Philosophy and Psychology, Austin, TX.
- Reinecke, M.G.,** & Horne, Z. (2016, April). *People's (inconsistent) attitudes about foundational moral beliefs.* Poster presented at the University of Illinois Undergraduate Research Symposium, Champaign, IL.

Teaching experience

Introduction to Psychology (Teaching Fellow)

August 2023 - December 2023

Introduction to Psychology (Head Teaching Fellow)

January 2023 - May 2023

Cognitive Science Junior Colloquium (Invited Guest Lecturer) <i>Guest lecture: Moral psychology.</i>	October 2021
Social Psychology (Teaching Fellow)	January 2020 - May 2020
Introduction to Cognitive Science (Teaching Fellow) <i>Guest lecture: Artificial intelligence & morality.</i>	August 2019 - December 2019
Introduction to Psychology (Teaching Fellow)	January 2019 - May 2019
Research Methods (Teaching Fellow) <i>Guest lecture: Testing for confounds.</i>	August 2018 - December 2018

Teaching experience (extracurricular)

Poorvu Center for Teaching & Learning (Graduate Writing Lab Fellow)	August 2021 - December 2023
Mind and Development Lab Research Assistant Mentor <i>Mentored undergraduates: Paige Amormino, Abby McLaughlin, Mei Shinomiya, Carly Snidow, Grace Rowed, Jess Stephenson, David Rosenbloom, Rachel Calcott, Jack Beadle (Honors Thesis Student), Eden Senay (Honors Thesis Student)</i>	June 2018 - December 2023
Yale Psychology Sneak Peek Mentor (Mentor for Underrepresented Students)	August 2020 - December 2023
Polygence Research Mentor (High School Students)	January 2021 - August 2021
Psychology and the Good Life (Teaching Fellow for National Education Equity Lab)	January 2021 - May 2021
Lumiere Research Mentor (High School Students)	January 2021 - June 2021
Psychology, Statistics, & Data Science Tutor (TutorMe)	July 2020 - April 2021
Multivariate Statistics (Volunteer Instructor)	May 2019 - August 2019
Yale Pathways to Science, Introduction to Psychology (Instructor)	January 2020 - May 2020
Multivariate Statistics (Volunteer Teaching Fellow)	June 2018 - August 2018
Illinois Lyceum Philosophy Camp Organizer & Facilitator	January 2016 - May 2017

Philosophy Department Tutoring Program Founder & Coordinator	January 2016 - May 2017
Philosophy Department Tutor	January 2016 - May 2017
Psychology Department Tutor	August 2014 - May 2017

Public engagement

Invited commentator on *Live Science* (April 2024, “*Many kids are unsure if Alexa and Siri have feelings or think like people, study finds*”)

Invited podcast guest on *DW Science Unscripted* (January 2024, “*Kids don’t need God to tell them what’s right or wrong*”)

Ad hoc reviewer

Journal of Experimental Psychology: General, Philosophical Psychology, Cognitive Science Society, Society for Philosophy and Psychology

Certifications

<i>Fundamentals of Reinforcement Learning</i> , Coursera	October 2022
<i>Machine Learning Specialization</i> , Coursera	September 2022
<i>Unsupervised Learning, Recommenders, Reinforcement Learning</i> , Coursera	September 2022
<i>Advanced Learning Algorithms</i> , Coursera	August 2022
<i>Supervised Machine Learning: Regression and Classification</i> , Coursera	August 2022
<i>AI for Everyone</i> , Coursera	August 2022

Skills

R (tidyverse), R Markdown, SPSS, L^AT_EX, Open Science Framework, Qualtrics, Mechanical Turk/TurkPrime

Departmental service

Current Works (Inviting speakers to department; co-organizer)	May 2018 - May 2019
Underrepresented Students’ Recruitment Program (Co-organizer)	August 2017 - December 2023
Prospective Student Interview Weekend (Co-organizer)	January 2018