Phillip Hintikka Kieval (he/him/his)

Department of History and Philosophy of Science
University of Cambridge
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: phkieval.com

Specialization

Philosophy of Science · Philosophy of Machine Learning · Philosophy of Neuroscience · AI Ethics

Comptetence

Pragmatism · Feminist Philosophy · Political Philosophy · Logic

Education

University of Cambridge

PhD in History and Philosophy of Science   2021-present
   Supervisor: Marta Halina   **Advisor:** Hasok Chang

University of Houston

MA in Philosophy   2019-2021
BA in Philosophy   2015-2019
   Magna Cum Laude with University Honors and Honors in Major

Work Experience

Student Fellow   2022-present
Leverhulme Center for the Future of Intelligence, University of Cambridge

Awards & Fellowships

Gates Cambridge Scholarship, Gates Trust / Link   2021-present
Graduate Teaching Assistantship, Department of Philosophy, University of Houston   2019-2021
Mellon Research Scholars Fellowship, Andrew W. Mellon Foundation / Link   2018-2019

Publications

2. Kieval P. H. (2022b). Permission to believe is not permision to believe at will. *Synthese*, 200(347): 1-12

1. Kieval, P. H. (2022a). Mapping representational mechanisms with deep neural networks. *Synthese*, 200(196): 1-25

Talks & Presentations

<small>REFEREED</small>

8. "Automated Exploration, Understanding, and Semantic Opacity,"
   Philosophy of Science Association 2022
   Pittsburgh, PA 13 November 2022

7. "Biased-by-design: why algorithms are necessarily value-laden"
   Graduate Student Workshop on Philosophy of Machine Learning
   Max Planck Institute for Intelligent Systems in Tübingen 19 October 2022

6. "Biased-by-design: why algorithms are necessarily value-laden"
   Ethical Issues in AI and Computing Conference Embedded EthiCS @ Harvard
   in partnership with Social & Ethical Responsibilities of Computing at MIT,
   Harvard University 3 June 2022

5. "Unsupervised Discoveries, Understanding, and Semantic Opacity,"
   Issues in XAI #4 - Explanatory AI: Between ethics and epistemology
   TU Delft 25 May 2022

4. "Unsupervised Discoveries, Understanding, and Semantic Opacity,"
   Rotman Graduate Student Conference 2022: Models and Idealization
   Rotman Institute of Philosophy 13 May 2022

3. "Unsupervised Discoveries, Understanding, and Semantic Opacity,"
   4th Annual Scientific Understanding and Representation (SURe) Workshop,
   Fordham University 23 April 2022

2. "Unsupervised Discoveries, Understanding, and Semantic Opacity,"
   Philosophy in Informatics VI 16 December 2021

1. "Artificial Achievements,"
   Rice-UH Graduate Conference, Rice University 2 October 2021

<small>INVITED</small>

2. "Biased-by-design: why algorithms are necessarily value-laden"
   Gates Day of Research, University of Cambridge 7 May 2022

1. "Unsupervised Discoveries and Semantic Opacity in Data-driven Neuroscience,"
   Poldrack Lab, Stanford University 2 February 2022

Teaching

University of Cambridge

Supervisor

Part II, Paper 6 *Ethics and Politics of Technology*   Lent 2022

University of Houston

Teaching Assistant

PHIL1321 *Logic I*	Spring 2021
PHIL1301 *Introduction to Philosophy*	Fall 2020
PHIL1321 *Logic I*	Spring 2020
PHIL1321 *Logic I*	Fall 2019

Grading Assistant

PHIL1301 *Introduction to Philosophy*	Summer 2020
PHIL1361 *Philosophy and the Arts*	Summer 2020

Professional Activities

Diversity and Inclusion

Wellness, Inclusion, Diversity, and Equity (WIDE) Committee Member, Leverhulme Center for the Future of Intelligence, University of Cambridge	2022-present
Organizing Committee, Cambridge University Minorities and Philosophy (MAP)	2021-present
BIPOC Philosophical Film Series with UH Minorities and Philosophy (MAP) funded by The Media and the Moving Image Initiative (MMI)	April 2021
Co-Founder, University of Houston Chapter of Minorities and Philosophy (MAP)	2020
COMPASS: Undergraduate Philosophy Workshop, University of Texas at Austin Chapter of Minorities and Philosophy (MAP)	March 2018
Preventing Genocide: Global and Local Workshop and Teach-in (*invited*), Hobby School of Public Affairs' Civitas Program and UH Human Rights Series, The Honors College at the University of Houston	October 2017
Displaced Populations: Statelessness and Refugee Crises, UH Human Rights Series, The Honors College at the University of Houston	April 2017

Learning for Purpose Co-director, Gates Cambridge Scholars Council   2021-2022

LAUNCH Tutor for Logic I and Logic II,   2018-2019
Undergraduate Student Success Center at the University of Houston

LAUNCH Tutor for Writing and Rhetoric,   2018-2019
Undergraduate Student Success Center at the University of Houston

Graduate Coursework

University of Houston

Logic and Ontology, *James Garson*	Spring 2021
Luck and Achievment, *Christy Mag Uidhir*	Spring 2021
The Problem of Evil, *Luis Oliveira*	Spring 2021
Philosophy of Science*, *Josh Weisberg*	Spring 2021
The Meta-problem of Consciousness, *Josh Weisberg*	Fall 2020
The Methods of Ethics, *David Phillips*	Fall 2020
Deep Learning, *Cameron Buckner*	Spring 2020
Temporal Asymmetries, *Yael Lowenstein*	Spring 2020
Inference and Reference, *James Garson*	Fall 2019
Doxastic Agency, *Luis Oliveira*	Fall 2019
Philosophy of Film, *Christy Mag Uidhir*	Fall 2019

Rice University (Visiting Student)

Origins of Mind, *Alex Morgan*	Fall 2020
Personal Relationship Goods, *Elizabeth Brake*	Speing 2020

= Course audited

References

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Hans Rausing Professor
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