

Yifeng (Evan) Ding

Curriculum Vitae

Beijing, China
☎ (+86) 18810668627
✉ yf.ding@pku.edu.cn
🌐 voidprove.github.io

Academic Positions

2021.8 – present **Assistant Professor**, Department of Philosophy and Religious Studies, Peking University

Education

- 2015 – 2021 **Ph.D., Logic and the Methodology of Science**, *University of California, Berkeley*
Dissertation: *Propositional Quantification in Modal Logic*
Committee: Wesley Holliday (Chair), Lara Buchak, Dana Scott, Seth Yalcin
- 2011 – 2015 **B.A., Philosophy and Economics**, *Peking University*
Thesis: *Epistemic Logic with Functional Dependency Operator*
Thesis advisor: Yanjing Wang

Areas of Research

- AOS Logic (esp. Modal Logic), Decision Theory and Social Choice Theory
AOC Epistemology, Formal Semantics

Publications

Forthcoming

- 2026 **Characterizations of Voting Rules Based on Majority Margins** [↗](#)
with Wesley Holliday and Eric Pacuit.
Social Choice and Welfare.

Published

- 2026 **A General Theory of Propositional Modal Bundled Modalities** [↗](#)
with Yuanzhe Yang.
Advances in Modal Logic 2026.
- 2025 **The Logics of Individual Medvedev Frames** [↗](#)
with Zhicheng Chen.
Logic Journal of the IGPL.
- 2025 **An Axiomatic Characterization of Split Cycle** [↗](#)
with Wesley Holliday and Eric Pacuit.
Social Choice and Welfare.
- 2024 **Some General Completeness Results for Propositionally Quantified Modal Logics** [↗](#)
with Yipu Li.
Advances in Modal Logic 2024.
- 2024 **Saturated Models and Ultrafilter Extension for Weakly Aggregative Modal Logics** [↗](#)
with Jixin Liu.
Studies in Logic.
- 2023 **Modal Logics with Non-rigid Propositional Designators** [↗](#)
Logic, Rationality, and Interaction, LORI 2023.

- 2023 **Someone Knows that Local Reasoning on Hypergraphs is a Weakly Aggregative Modal Logic** [↗](#)
with Jixin Liu and Yanjing Wang.
Synthese.
- 2022 **Model Theoretical Aspects of Weakly Aggregative Modal Logic** [↗](#)
with Jixin Liu and Yanjing Wang.
Journal of Logic, Language, and Information.
- 2021 **Hypergraphs, Local Reasoning, and Weakly Aggregative Modal Logic** [↗](#)
with Jixin Liu and Yanjing Wang
Logic, Rationality, and Interaction, LORI 2021.
- 2021 **Logics of Imprecise Comparative Probability** [↗](#)
with Wesley Holliday and Thomas F. Icard, III
International Journal of Approximate Reasoning.
- 2021 **On the Logic of Belief and Propositional Quantification** [↗](#)
Journal of Philosophical Logic.
- 2020 **The Logic of Comparative Cardinality** [↗](#)
with Matthew Harrison-Trainer and Wesley Holliday
The Journal of Symbolic Logic.
- 2020 **Another Problem in Possible World Semantics** [↗](#)
with Wesley Holliday
Advances in Modal Logic 2020.
- 2019 **Weakly Aggregative Modal Logic: Characterization and Interpolation** [↗](#)
with Jixin Liu and Yanjing Wang
Logic, Rationality, and Interaction, LORI 2019.
- 2019 **When Do Introspection Axioms Matter for Multi-Agent Epistemic Reasoning?** [↗](#)
with Wesley Holliday and Cedegao Zhang
Theoretical Aspects of Rationality and Knowledge 2019.
- 2018 **On the Logics with Propositional Quantifiers Extending S5II** [↗](#)
Advances in Modal Logic 2018.
- 2016 **Epistemic Logic with Functional Dependency Operator** [↗](#)
Studies in Logic.

Talks

Invited

- 4/2/2026 **Possibilities and Actuality**
Sun Yat-sen University, Zhuhai Campus
- 3/23/2026 **A General Theory of Propositional Modal Bundled Modalities**
Workshop on Bundles in Logic, Lorentz Center, the Netherlands
- 11/21/2025 **Logics with Actual and Potential Worlds**
Southwest University
- 8/26/2025 **Forays into Voting Theory**
Peking University
- 11/27/2024 **Axioms in Social Choice**
China University of Political Science and Law
- 9/21/2024 **Axiomatizing the Minimax Voting Method**
 Δ_{19} -workshop on logic

- 6/14/2024 **Some Technical Results on Modal Logics with Propositional Quantifiers**
Institute of Philosophy, Chinese Academy of Sciences
- 4/29/2024 **Modal Logic and Propositional Quantification**
East China Normal University
- 7/14/2023 **Logics with Non-rigid Propositional Designators**
Beijing International Summer Workshop on Formal Philosophy
- 11/27/2022 **Examining the Fundamental Theorem of World Theory in Modal Logics with Propositional Quantifiers**
at the annual conference of the Chinese society of mathematical logic.
- 4/8/2022 **An Axiomatic Characterization of Split Cycle**
Logic Seminar at Beijing Normal University
- 11/18/2021 **Non-probabilistic Semantics for Probabilistic Judgements**
Logic Salon series at Tsinghua University
- 10/28/2021 **Non-probabilistic Semantics for Probabilistic Judgements**
Logic, Cognition, and Interactions Lecture Series at Sichuan University
- 10/13/2021 **The Modesty Puzzle**
Philosophy Symposium at Peking University
- 5/16/2020 **The Logic of Comparative Cardinality**
 Δ_{13} -workshop on logic
- [Refereed](#)
- 6/13/2026 **Axiomatic Characterizations of the Minimax Voting Method**
at the 18th Meeting of the Society for Social Choice and Welfare.
- 9/15/2025 **An Axiomatic Characterization of the Minimax Voting Method**
at COMSOC 2025.
- 8/23/2024 **Some General Completeness Results for Propositionally Quantified Modal Logics**
at Advances in Modal Logic 2024 (AiML).
- 10/20/2023 **Saturated Models and Ultrafilter Extension for Weakly Aggregative Modal Logic**
at 17th (Chinese) National Conference on Modern Logic.
- 10/27/2023 **Logics with Non-rigid Propositional Designators**
at the 9th International Conference on Logic, Rationality, and Interaction (LORI).
- 6/23/2022 **An Axiomatic Characterization of Split Cycle**
at the 16th Meeting of the Society of Social Choice and Welfare
- 10/17/2021 **Hypergraphs, Local Reasoning, and Weakly Aggregative Modal Logic**
at the 8th International Conference on Logic, Rationality, and Interaction (LORI).
- 8/27/2020 **Another Problem in Possible World Semantics**
at Advances in Modal Logic 2020 (AiML).
- 7/19/2019 **When Do Introspection Axioms Matter for Multi-Agent Epistemic Reasoning?**
at the 17th Conference on Theoretical Aspects of Rationality and Knowledge (TARK).
- 5/21/2019 **On the Modal Logic of Belief with Propositional Quantifiers**
at the 2019 ASL North American Annual Meeting.
- 8/27/2018 **On the Logics with Propositional Quantifiers Extending S5II**
at Advances in Modal Logic 2018 (AiML).
- 8/7/2018 **The Logic of Comparative Cardinality**
at BLAST 2018.

Teaching

At Peking University

Introduction to Logic, co-taught with Yanjing Wang, Bokai Yao, Shengyang Zhong.
Spring 2022, 2023, 2024, 2025, 2026

Modal Logic

Fall 2022, 2023, 2024, 2025

Foundations of Computability Theory

Fall 2023, 2025

Social Choice Theory

Spring 2024, 2026

Topics in Philosophical Logic

Spring 2025 (Topic: higher-order logic)

Axiomatic Set Theory

Spring 2022, 2023

As Graduate Student Instructor (equivalent to TA) at UC Berkeley

MATH 54: Linear Algebra and Differential Equations

Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017

PHILOS 12A: Introduction to Logic

Summer 2016, 2017, Spring 2018, Summer 2018, Summer 2019, Spring 2020

PHILOS 143: Modal Logic

Spring 2018, Fall 2020

PHILOS 140A: Intermediate Logic

Fall 2019

PHILOS 25B: Modern Philosophy

Spring 2019

PHILOS 149: Special Topics in Philosophy of Logic and Mathematics

Fall 2018

Service

Refereeing

Ongoing *Chinese Philosophical Review*, *Studia Logica*, *Logic Journal of IGPL*, *Computability*, *Philosophical Studies*, *Notre Dame Journal of Formal Logic*, *Annals of Pure and Applied Logic*, *Journal of Philosophical Logic*, *The Journal of Philosophy*, *Journal of Logic Language and Information*, *Artificial Intelligence*, *Journal of Logic and Computation*, *The Review of Symbolic Logic*, *The Journal of Symbolic Logic*, *Australasian Journal of Logic*, *Erkenntnis*, *Review of Economic Design*.

Program Committee

- 2026 Asian Workshop on Philosophical Logic 2026, Chongqing
- 2025 19th National Conference on Modern Logic, Shanghai
- 2024 18th National Conference on Modern Logic, Guangzhou
- 2023 17th National Conference on Modern Logic, Chengdu
- 2022 16th National Conference on Modern Logic, Jinan
- 2022 15th National Conference on Modern Logic, Zhuhai

References

Wesley Holliday

UC Berkeley

✉ wesholliday@berkeley.edu

Dana Scott

CMU & UC Berkeley

✉ dana.scott@cs.cmu.edu

Johan van Benthem

Stanford University

✉ jvanbenthem@uva.nl

Paolo Mancosu

UC Berkeley

✉ mancosu@socrates.berkeley.edu