Curriculum Vitae

Kye Palider, PhD Student

University of Toronto kye.palider@mail.utoronto.ca
Institute for the History and Philosophy of Science and Technology
Victoria College, 91 Charles St W, Toronto, ON M5S 1K5

Education

University of Toronto *September 2024–Present*
PhD in History and Philosophy of Science and Technology

- **Thesis topic**: The history and philosophy of neural networks.
- **Coursework**: Philosophy of science (esp. models and explanation), history of philosophy of science (esp. scientific method), philosophy of biology, social epistemology, history of physics, philosophy of cognitive science.

Massachusetts Institute of Technology *March 2023–Present*
MITx MicroMasters in Statistics and Data Science (part-time), offered through edX

- Establishing competence in the technical and mathematical skills required for contemporary data science.
- **Coursework**: Probability, statistics, machine learning in Python, statistical modeling and computation in applications.

University of Toronto *September 2021–November 2022*
MA in Philosophy of Science

- **Coursework**: Advanced history and philosophy of science, formal epistemology, history of computing, history of experimentation, philosophy of statistics, epistemology.

University of Toronto *June 2016–June 2021*
Honours Bachelor of Arts with High Distinction, Dean's List Scholar

- **Coursework**: Philosophy (major), history and philosophy of science (minor), mathematics (minor), physics (minor).

Work Experience

AI Trainer in Mathematical and Logical Reasoning *February 2024–Present*
Outlier, Scale AI, part-time

- Created thousands of mathematical and logical reasoning puzzles to stump AI models in undergraduate-level mathematics and corrected their reasoning.
- Reviewed and rated the work of colleagues to maintain high-quality training data.

Ressearch Associate and Supervisor *September 2019–Present*
University of Toronto, Victoria College, part-time

- Coordinated over nine research projects with faculty, graduate students, and undergraduate students in both the history and philosophy of science with a general focus on theories of scientific change and their application to the history of science.
- Conducted research on the following: the various kinds of models in science, ways of integrating history and philosophy of science, theory rejection, feminist philosophy of science, theories of scientific change, pseudoscience and Lysenkoism, the history of particle physics 1920–1950, Aristotelian-Medieval cosmology and theology, optics at the Keplerian turn, and the science of gender and sex.
- Co-designed a diagrammatic notation for the visualization of epistemic entities and relations as a project in digital humanities, resulting in a publication.

English Editor and Software Developer *May 2023–January 2024*
MDPI

- Ensured the quality of prose was maintained for articles across over 400 journals spanning virtually all scientific disciplines at the largest open-access publisher in the world.

- Developed a Microsoft Word add-in, and wrote its supporting documentation, for automating some of the editing process and providing tools for editors.

Academic Editor *July 2022–October 2023*
Editing Press

- Helped over 50 academics get their research accepted into peer-reviewed journals.
- Provided substantive philosophical feedback on the following: the improvement of logical argumentation, feedback on the statistics and model assumptions, the identification of areas lacking in justification, the unearthing of implicit assumptions, reorganization of the paper structure, suggestions for further research, and more.

Peer-reviewed Articles

Palider, K. (2025). Teleological Epistemology: Knowledge-how and Goal-directedness. *Filosofiska Notiser* 12(1), 203–233.

Palider, K. (2021). Ways of Integrating History and Philosophy of Science: Top-down, Bottom-up, and Iterations. In Barseghyan et al. (eds.) *The Challenges of Constructing a Theory of Scientific Change*, Vernon Press, 21–40.

Palider, K. et al. (2021). A Diagrammatic Notation for Visualizing Epistemic Entities and Relations. *Scientonomy: Journal for the Science of Science* 4, 87–139.

Palider, K. (2019). Reasons in the Scientonomic Ontology. *Scientonomy: Journal for the Science of Science* 3, 15–31.

Conferences, Presentations, and Academic Activities

Presented *Are Neural Networks Neuron Networks? A Historical Perspective* at the Population Doctrine Workshop, University of Pittsburgh. *October 2025*

Presented *Teleology vs. Mechanism* at the CornellxIHPST conference at the University of Toronto. *April 2025*

Presented *An Ontology of Scientific Change* at the Social Ontology & Collective Intentionality 2022 conference. *August 2022*

Completed the 2022 summer school on imprecise probabilities at the University of Bristol (attended remotely). *August 2022*

Presented a notation for diagramming belief systems as a tutorial in the Diagrams 2021 conference. *September 2021*

Co-presented Aristotelian-Medieval cosmology with Tessa Ng at the Diagrams 2021 conference as a lightning talk. *September 2021*

Co-presented a formal theory of scientific change with Neo Yin at the Formal Philosophy 2021 conference. *June 2021*

Co-presented on formalizing a theory of scientific change with Neo Yin at the St. Michael's College 2020 colloquium. *January 2020*

Completed the 2019 summer school on philosophical engineering at Heinrich Heine University Düsseldorf. *August 2019*

Presented ways of integrating history and philosophy of science at the 2019 ScientoConference. *May 2019*

Co-created a diagramming language for belief systems at the Jackman Humanities Scholars-in-Residence 2019 research program in the *Visualizing Worldviews: Diagrams for Belief Systems* digital humanities project. *May 2019*

Teaching Experience

University of Toronto, IHPST. Rubrics and assignments contract. Professor Ellen Abrams.	*Fall 2025*
University of Toronto, IHPST. HPS391: History of Mathematics from the 17th century. Teaching Assistant. Dr. Sylvia Nickerson.	*Winter 2025*
University of Toronto, Department of Philosophy. PHL245: Modern Symbolic Logic. Head Teaching Assistant. Eamon Darnell.	*Fall 2022*
University of Toronto, Department of Philosophy. PHL232: Knowledge and Reality. Teaching Assistant. Professor Trevor Teitel.	*Fall 2022*
University of Toronto Mississauga, Department of Philosophy. PHL245: Modern Symbolic Logic. Teaching Assistant. Jared Riggs.	*Fall 2022*
University of Toronto Mississauga, Department of Philosophy. PHL245: Modern Symbolic Logic. Teaching Assistant. Eamon Darnell.	*Summer 2022*
University of Toronto, IHPST. HPS250: Introduction to History and Philosophy of Science. Teaching Assistant. Dr. Fermin Fulda.	*Summer 2022*
University of Toronto Mississauga, Department of Philosophy. PHL246: Introduction to Inductive Logic. Teaching Assistant. Professor Jonathan Weisberg.	*Winter 2022*
University of Toronto Mississauga, Department of Philosophy. PHL355: Philosophy of Natural Science. Teaching Assistant. Professor Alex Koo.	*Winter 2022*
University of Toronto, IHPST. HPS250: Introduction to the History and Philosophy of Science and Technology. Teaching Assistant. Dr. Jamie Shaw.	*Fall 2021*
University of Toronto, Department of Philosophy. PHL245: Modern Symbolic Logic. Teaching Assistant. Professor Alex Koo.	*Fall 2021*
University of Toronto, IHPST. HPS100: Introduction to History and Philosophy of Science. Teaching Assistant. Professor Hakob Barseghyan.	*Summer 2020*

Service & Editorial Work

Co-organized the 2025 conference on Creating Sustainable Databases in the Humanities.	*January 2025–May 2025*
Served as one of the co-editors-in-chief for the "Beyond Anthropocentrism" issue of the graduate journal *Spontaneous Generations*.	*September 2024–August 2025*
Reviewed for *Scientonomy: Journal for the Science of Science*.	*September 2020*
Reviewed for the International Association of Computing and Philosophy 2019 conference proceedings.	*June 2019*