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Education

M.A., Philosophy, Princeton University, 1981

Professional Experience

Visiting Lecturer, Department of Philosophy, University of Adelaide, 2016–

Assistant Editor, Stanford Encyclopedia of Philosophy, Stanford University, 2009–

Document Editor, Stanford Encyclopedia of Philosophy, Stanford University, 2006–2009

Virtual Member, Metaphysics Research Lab, Stanford University, 2003–

Independent Scholar, 2003–

Research Associate, NSF Engineering Research Center, College of Engineering, Mississippi State University, 1999–2004.

Research Associate (Courtesy Appointment), College of Oceanic and Atmospheric Sciences, Oregon State University, 1993–1994.

Research Associate (Courtesy Appointment), Supercomputer Computations Research Institute (DOE), Florida State University, 1990–1993.

Research Associate (Courtesy Appointment), Department of Computer Science, Yale University, 1988–1990.

Applications Engineer, Thinking Machines Corporation, 1988–1994

Research Engineer, Artificial Intelligence Lab (Vision Machine Project), Massachusetts Institute of Technology, 1986–1988

Summer Intern, Computer Science Lab, SRI International, 1984.

Software Consultant, Electronic Data Systems, 1983–1984.

Curriculum Designer & Software Designer, Computer*Thought Corporation, 1983.

Instructor, Philosophy Department, Princeton University, 1982–1983.

Instructor, Department of Information Engineering, University of Illinois at Chicago, 1978.

Research Programmer, Department of Computer Science (Heuristic Programming Project), Stanford University, 1975–1976.

Research Programmer, Institute for the Mathematical Study of the Social Sciences, Stanford University, 1975–1976.

Operations Research Analyst, Zayre Corporation, 1974–1975.

Programmer, Computer Institute for Social Science Research, Michigan State University, before 1975.

Teaching Assistant, Department of Philosophy, Michigan State University, before 1975.

Honors and Awards

Runner-Up, Gordon Bell Prize, SuperComputing 1993.

Department of Philosophy nominee, APGA Teaching Prize, Princeton University, 1982.

University Fellowship, Philosophy Department, Princeton University, 1978–1982.

Publications

Articles

- A10. “Automating Leibniz’s Theory of Concepts”, coauthors: Jesse Alama and Edward N. Zalta, in A. Felty and A. Middeldorp (eds.), *Proceedings of the 25th International Conference on Automated Deduction*, Lecture Notes in Artificial Intelligence 9195, Dordrecht: Springer, 2015.
- A9. “Relations vs. Functions at the Foundations of Logic: Type-Theoretic Considerations”, coauthor: Edward N. Zalta, *Journal of Logic and Computation*, 21 (2011): 351–374.
- A8. “A Computationally-Discovered Simplification of the Ontological Argument”, coauthor: Edward N. Zalta, *Australasian Journal of Philosophy*, 89/2 (June 2011): 333–350.
- A7. “Reflections on the Logic of the Ontological Argument”, coauthor: Edward N. Zalta, *Studia Neoscholastica*, 4/1 (2007): 28–35.
- A6. “Accuracy Studies of a Parallel Algorithm for Solving the Hydrodynamic Formulation of the Time-Dependent Schrödinger Equation”, coauthors: G. Brook, C. Weatherford, I. Banicescu, and J. Zhu, *Journal of Molecular Structure (Theochem)*, 592 (2002): 69–77.
- A5. “Solving the Hydrodynamic Formulation of Quantum Mechanics: A Parallel MLS Method”, coauthors: G. Brook, C. Weatherford, I. Banicescu, and J. Zhu, *International Journal of Quantum Chemistry*, 85/4–5 (2001): 263–271.
- A4. “Density of States of the Two-dimensional Hubbard Model on a 4x4 Lattice”, coauthors: Pak-Wo Leung, Zhiping Liu, Efstratios Manousakis,

and Mark A. Novotny, *Physical Review B*, 46/18 (November 1992), 11779–11786.

- A3. “Implementation of the Lanczos Algorithm for the Hubbard Model on the Connection Machine CM-2 System”, coauthor: Pak-Wo Leung, *Computers in Physics*, 6/6 (1992), 603.
- A2. “On the Logic of the Ontological Argument”, coauthor: Edward N. Zalta, *Philosophical Perspectives*, 5: *Philosophy of Religion* (Atascadero, CA: Ridgeview Publishing Company, 1991): 509–529; selected for republication in *The Philosopher’s Annual: 1991*, XIV (1993): 255–275.
- A1. “The Certainty of Skepticism,” coauthor: Ralf Meerbote, *Grazer Philosophische Studien*, 11 (1980): 125–128.

Book Chapter

“The MIT Vision Machine,” coauthors: T. Poggio, J. Little, E. Gamble, D. Geiger, D. Weinshall, M. Villalba, N. Larson, T. Cass, H. Buelthoff, M. Drumheller, W. Yang, A. Hurlburt, D. Beymer, P. O’Donnell, and W. Gillett, *Artificial Intelligence at MIT: Expanding Frontiers* (Cambridge, MA: MIT Press, 1990), pages 492–529; first published in the Proceedings of the DARPA Image Understanding Workshop, MIT, Cambridge, MA, April 1988.

Conference Proceedings

“Parallel Execution of a Fortran 77 Weather Prediction Model”, coauthors: G. Sabot, S. Wholey, and J. Berlin, in *Supercomputing ’93. Proceedings* (Proceedings of the 1993 ACM/IEEE Conference on Supercomputing; New York: ACM Press, 1993), pages 538–545.

Translations

Czech translation of A2, “O Logice Ontologickeho Dukazu”, Petr Hromek (trans.), *Studia Neoaristotelica*, 4/1 (2007): 5–27.

Courses Taught

Princeton University

Ethics

Logic

Introduction to Philosophy

University of Illinois at Chicago

Artificial Intelligence

Data Structures

Epistemology

Logic

Michigan State University

Logic

Informal Logic

Invited Lectures

University of the Third Age, “What Computers Can Tell Us About Philosophy”, Adelaide, Australia, 19 March 2019.

Public Lecture, “What Computers Can Tell Us About Philosophy”, Adelaide, Australia, December 2018.

Keynote Lecture, Symposium on Computational Philosophy, Birmingham, U.K., July 2012.

Lecture on Computational Philosophy, Munich Center for Mathematical Philosophy, 21 June 2012.

Philosophy Department, Oregon State University, December 1993.

Contributed Papers and Commentaries

“The Emergence of Collective Entities” (with Anne-Marie Grisogono), Evolving Minds Conference, Charles Darwin University, 17–19 September 2018.

“Fictional Properties and Abstract Object Theory” (with Fred Kroon), AAP/NZAP conference, Victoria University of Wellington, 8–13 July, 2018.

“Fictional Properties” (with Fred Kroon), NZAP conference, University of Otago, December 2017.

Pacific APA, March 1990.

Eastern APA, December 1986 (Commentary).

Other Professional Activities:

Referee, *Synthese*

Referee, *Philosophical Studies*

Referee, *Philosophia*

Referee, *Analysis*

Coauthor, *Computational Metaphysics* web pages. Coauthors: Jesse Alama, Branden Fitelson, and Edward N. Zalta, <http://mally.stanford.edu/cm/>

Invited guest lectures, parallel programming courses, Computer Science Department, Mississippi State University, 2000.

Invited lecture, Philosophy Club, Mississippi State University, 2000.

Invited guest lectures, philosophy of religion courses, Philosophy Department, Mississippi State University, 1998–2000.