

## W. Bernard Lee, PhD, CFA

Dr. Bernard Lee is the Founder and Chief Executive Officer of HedgeSPA, a firm specializing in advanced, AI-enabled investment analytics. He previously served as Managing Director in BlackRock's Portfolio Management Group in New York, where he was instrumental in developing multi-asset functionalities for the firm's famous investment analytics system. This work, which incorporated intellectual property from his doctoral research, earned recognition from Risk-Waters, widely regarded as the global gold standard for excellence in financial technology. His analytics were initially deployed within BlackRock's alternative investment division, supporting allocations across internal and external fund managers as well as direct investments.



At BlackRock, Dr. Lee also oversaw the firm's global energy portfolio, among many other sophisticated investment products under his oversight. His responsibilities drew on prior consulting experience with energy majors such as Chevron-Texaco. His analytics platform was later cited in Bloomberg's reporting on the collapse of Amaranth Advisors, one of the most significant hedge fund failures of its era, highlighting the practical relevance of his work in risk management and predictive analytics.

HedgeSPA was subsequently seed-funded by the National Research Foundation under the Singapore Prime Minister's Office to design and build a new generation of AI-enabled investment analytics from the ground up. The platform has since produced multiple years of independently verified performance records, consistently demonstrating outperformance and favorable skewness across diverse markets. These results were achieved without reliance on leverage or concentrated sector and country exposures. The methodology and outcomes have been validated through peer-reviewed publications in leading outlets including ACM, ASA, Springer-Nature, and IEEE, underscoring both scientific rigor and practical applicability.

HedgeSPA has been recognized internationally with awards such as the MAS Fintech Award, the Hong Kong Institute of Bankers Fintech Award, Japan's Finopitch Award, the EFMA-Accenture Global Insurtech Award, and the MEA Finance Award. The company is currently conducting a funding round anchored by a Tier 1 global bank in the United Kingdom, and its analytics engine has secured term sheets representing more than USD 500 million in assets under management.

Dr. Lee earned a double degree from Princeton University in Operations Research (Engineering School) and Economics/Finance (Woodrow Wilson School). He subsequently completed a master's degree in Computational Mathematics at Stanford University's Computer Science Department and a PhD in Quantitative Finance at Imperial College London, where he studied under Professor Nicos Christofides, the "Father of Graph Theory."

In parallel with his industry leadership, Dr. Lee has maintained a strong academic presence. He has taught finance in the United States, Singapore, and Hong Kong, and has guest-lectured or co-taught at Columbia University, NYU Courant, Stanford Graduate School of Business, and MIT-Tsinghua. He has served on professional committees including the New York Quantitative Finance Seminar and IARIA Green, and was a regional board member of the Stanford Alumni Association. Dr. Lee is also the author of several books, most recently *Investment Analytics in the Dawn of Artificial Intelligence*. His research has appeared regularly in top-quartile scientific journals, averaging one publication per quarter while concurrently holding two executive leadership roles.