

Marek Fludzinski, Ph.D.

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Education

Ph.D. Physics, Princeton University, Awarded Joseph Henry Fellowship

Thesis: A Numerical Study of Nonlinear Mass Density Fluctuations in the Early Universe.

Advisor: P.J.E Peebles (Nobel Prize winner)

B.S. Physics, Columbia University

Summary

Over thirty years of experience in quantitative finance and fintech. Work has included the development and evaluation of innovative approaches to portfolio risk control, forecast generation and trade execution for multiple financial instruments. Vetted, hired, and managed multiple teams of people across a variety of disciplines as the founder of a quantitative hedge fund Thales Fund Management that reached nearly 100 employees and \$2.5bn in capital. Developed and sold Miletus Trading, an innovative trading platform for institutions. Expertise in quantitative approaches applied to equity and cryptocurrency assets as well as machine learning approaches for sports betting.

Recent personal work has applied Machine Learning techniques to trading futures, individual equities, and cryptocurrencies.

Experience

Level2 (ABN AMRO + Techstars '23) Chief Scientist, 2025-

The first fully visual no-code Systematic trading strategy creation platform built for active traders.

Skymion Systems, LLC, Founder 2012-current

Consultant in several stock market related ventures.

Thales Fund Management, LLC, Founder & CEO, 1998-2010

Thales' principal investment strategy, developed entirely in-house and involving over fifty research and software engineering staff, utilized proprietary statistical arbitrage techniques* and was implemented in the US, UK, and Japanese equity markets. Thales' unique approach

made use of an innovative covariance cluster and volatility formalism and encompassed time scales ranging from a few minutes to a few weeks.

Thales also developed a hybrid (combining quantitative and fundamental approaches) market-neutral long/short fund, Temujin Fund, LLC that is spun off in 2005 with ten employees.

From 2004-2007 Thales also founded and ran a broker-dealer, Miletus Trading, to leverage its extensive experience in algorithmic trading. Miletus was sold to Liquidnet.

In 2008, due to investor needs for liquidity (Thales did not impose redemption gates) Thales, despite continued good returns, began to wind down its efforts and was shuttered by 2010.

* Examples include volatility U-curves, geometric interpretation of covariance, cluster returns using machine learning compression techniques, identification of the presence of algorithmic trading, etc.

Other Work in Finance

Citadel, LLC, Senior Quantitative Researcher 2016-2017

Developed statistical arbitrage equity signals on short-term (minutes to hours) time scales

The Quant Edge / The Predictive Edge, 2019-2022 Chief Scientist, sports betting.

Eden Partners, Advisor, 2018-2022 Blockchain technology.

Early Advisor to the Eden Partners startup.

SAC Capital, Portfolio Manager, 2010-2012

Took a small team from Thales to SAC to build equity statistical arbitrage strategies.

Thales Financial Group, Inc., 1994-1998, Founder and CEO.

Built and managed a \$30m statistical arbitrage portfolio for a single client. The precursor to Thales Fund Management.

Swiss Bank Corp., 1992-1994, Director, Risk Management.

D.E. Shaw & Co., 1990-1992, Senior Vice President.

One of the original four senior people responsible for the design and implementation of an equity option market making effort.

Hull Trading Co., 1988-1990, Chicago, IL. Director of Research.

Options research, design and implementation of trading strategies for a leading floor-based options market maker.