Purnendu Nath

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Quantitative trader experienced in researching, developing and running model based systematic trading with hedge funds in London (global markets) and Hong Kong (pan-Asia). Proven team leadership and mentoring experience, with a passion for selling ideas. Looking to build a new business or expand an existing line of business.

Professional &					
Academic Qualifications	CFA Institute London Business School	Charterholder	CFA PhD	2006 2004	
	Doctor of Philosophy (Finance) Thesis: "Microstructural Investigation of Trading in Equity and Bond Markets"				
	Institute of Actuaries, England Fellowship speciality – Investment and Asset Management	Fellowship	FIA	2000	
	Cass Business School, London <i>Master of Science</i> (Mathematical Trading & Finance)	Distinction	MSc	1998	
	University of Cambridge, England <i>Master of Arts</i> (Engineering & Management Studies)	Class I	MA BA	1997 1993	
Industry Experience					
3/07 - 6/08	 SHK Quant Asia Fund, Hong Kong Managing Director Portfolio Manager. 				
5/06 - 11/06	Credit Suisse, London Consultant to Design & Develop Quantitative Trading Strategies within the Global Credit Proprietary Trading Group				
8/05 - 1/06	 Amplitude Capital LLP, London Systematic Trading System Algorithm Designer Consultant at early stage systematic futures trading fund which has no human traders. Hired to produce a dynamically self-recalibrating system prototype to replace statically optimized system. 				
1/05 - 5/05	 Independent Quantitative Research & Trading, Mumbai Researched and implemented a proprietary statistical arbitrage trading model for the world's most actively traded single stock futures market. (Sharpe Ratio of 2.4, Annualized Return of 30%.) 				
4/03 - 12/04	 KBC Alternative Investment Management, London <i>Quantitative Trader</i> Client interaction with potential investors for new quant-driven fund launches. Single-handedly developed proprietary long/short credit model and ran as proprietary trading book prior to merging into a Multi-Strategy Fund. Developed and ran proprietary multi-factor model for Long Short (equity) Volatility Fund. 				
6/02 - 11/03	 Quantitative Trader, London Traded global equity index products with leverage using proprietary model and own computer systems. Turnover of USD26m of personal account to obtain 55% outperformance (with beta=1). 				
3/02 - 5/02	 Hedge Fund Research Centre, London Business School Developed software tools to build optimal Mean-Conditional-Value-at-Risk portfolios for analysis of hedge fund industry risk and returns. 				

1/98 – 7/98	 HSBC Midland, London Analyst, Market Risk Management Implemented stress testing on the trading floor (Europe's largest). Carried out backtesting of Value @ Risk versus realised P&L for Basle Accord on Capital Adequacy. Researched (by simulation) the impact of errors in correlation assumptions for rainbow options. Researched and implemented the use of Extreme Value Theory in explaining extreme returns in trading. Risk assessment of new exotic products of the Specialised Derivatives Group. 			
1/96 - 1/98	Consultant	edgwick Noble Lowndes Investment Strategy, London <i>ionsultant</i> Stochastic asset/liability modelling of pension schemes to advise on their strategic asset allocations.		
9/93 - 12/95	 Sedgwick Noble Lowndes, London Trainee Actuary Carried out statutory valuations of pension s schemes following mergers or acquisitions of 	on schemes and estimated the asset/liability transfers of pension as of sponsoring companies.		
6/92 - 9/92 6/91 - 9/91 3/89 - 9/90	 National Physical Laboratory, London Research Assistant, Department of Quantum Metrology Research in the properties of superconductors for their application to metrology. Involved computer modelling, software testing and statistical analysis. 			
Honors & Awards	 (1999-2002) Economic & Social Research Council Scholarship. (1998) Investment Management Programme Scholar – London Business School. (1998) Institute of Finance & Accounting Scholarship. (1991, 1992) Senior Wallace Scholarship - University of Cambridge. (1991) Emmanuel College Prize - University of Cambridge. (1990) Science & Engineering University Sponsorship - National Physical Laboratory, London. 			
Professional & Academic Activities	 (2006-onwards) CFA examinations (freelance) lecturer in London and Hong Kong. (2001) Grading of scripts and guidance to students preparing for the Institute of Actuaries Fellowship examinations in Statistical Modelling, Stochastic Modelling, and Financial Economics (1998-2001) <i>Teaching Assistant</i> at the London Business School (for Corporate Finance, Entrepreneurial Finance, Equity Investment Management). (2001) Served as an expert witness on a legal case between two stock broking firms. (1998-2000) Freelance technical consultant to many UK insurance companies on investor compensation 			
Computer Experience	 UNIX and Windows/DOS operating systems. Visual C#, C++, Matlab, Visual Basic, VBA, SQL, DBArtisan, Powerbuilder, Stata, Gauss-X. Can code to Bloomberg API including tick data retrieval. Microsoft Office, Dreamweaver. 			
Research	 <u>Publications:</u> The Price of Future Liquidity: Time-Varying Liquidity in the U.S. Treasury Market, Review of Finance (2005) Are Price Limits Always Bad?, Journal of Emerging Market Finance (2005) Estimates of the Continuous Time Cox-Ingersoll-Ross Term Structure Model: Further Results for the UK Gilt Edged Market, Applied Economic Letters (2001) How Your Mind Affects Your Wallet, Management Next (2005) <u>Completed papers:</u> "High Frequency Pairs Trading with US Treasury Securities – Risks and Rewards for Hedge Funds" "Do Price Limits Behave like Magnets?" "Interdealer Trading in the UK Government Bond Market" "Mean Reversion in Inventory Risk Management: Evidence from the Trading Behavior of UK Government 			
References	Bond Dealers" Dr. Narayan Y. Naik Professor of Finance Director, Centre for Hedge Fund Research London Business School Sussex Place, Regent's Park London NW1 4SA, UK Tel: +44 (0)20 7262 5050 Fax: +44 (0)20 7724 3317 E-mail: nnaik@london.edu	Dr. Bernd Hanke, CFA Quantitative Equity Group Goldman Sachs Asset Management 32 Old Slip, 23rd Floor New York, NY 10005 USA Tel: +1 (212) 357 7181 E-mail: bernd.hanke@gs.com		