Alexander McFarlane in 0 2

CONTACT INFORMATION	alexander.mc farlane@physics.org	Currently working on Deep Learning projects. Available for interview for Nov. starts.
Background	• Quant. experience: Equity & credit exotics	
	• M.Sc. in Theoretical Physics (graduating November)	
	• Monte Carlo for high dimensional prob	lems
	• Deep Machine Learning research: Stock	nastic applications (weather)
	• Programming: Python, Fortran, VBA	
Professional Experience	Webranz & Fonterra, Global Dairy Intelli Quant. Data Architect & Consultant (gap y	9 .
	 Lead of quantitative solutions in data acquisition for data science & modelling Researched / introduced social media sentiment analysis to Fonterra Insights (quant) team Daily user: Python (web-scraping, analysis, research) Casual user: SQL, regex, bash, PowerShell, Alteryx, Tableau, Neo4j, Bloomberg 	
	Commerzbank AG, Models & Calibration Junior Quantitative Analyst (off-cycle inter	
	• Validating the structure of exotic trades	and Δ calculations on Factor & Pair Factor Certificates in equities, commodities and alternative investments times to reduce workload & take on additional projects
EDUCATION	The University of Edinburgh, M.Sc. The Dissertation: Generalised Hybrid Monte Ca	· · · · ·
	The University of Surrey , B.Sc. Hons. P Dissertation: Modelling Value at Risk (VaR	
Projects	The University of Auckland, Stochastic Research Programmer: Deep Neural Network	
Extra Curricula	Institute of Physics Associate Member (AMI	*
	Institute of Mathematics Associate Member	,
	Surrey University Snowsports Snowboard Ca Surrey University Snowsports Social Secretary	
Awards & Grants	 Second Scargill Educational Foundation The Ann Powtrell Foundation 	2015 2015
Referees Available on Remest		vailable on Request

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