Contact Information	Room 323, Building C HSBC Business School, Peking University	Phone: +86 755 21534063	
	University Town, Nanshan District Shenzhen, 518055, China	<i>E-mail:</i> qianchen@phbs.pku.edu.cn	
Objective	To develop an academic career in the field of computational and financial econometrics.		
Education	The University of Sydney, Sydney, NSW Australia		
	Ph.D., Operations Management and Econometrics, Business School, October 2011		
	 Thesis Topic: Bayesian Methods for Estimation, Inference and Forecasting of Flexible Models for Value-at-Risk and Tail Conditional Expectations Supervisor: Associate Professor Richard Gerlach 		
	The Hong Kong University of Science and Technology, Hong Kong		
	Master of Science, Department of Economics, School of Business and Management, July 2006		
	• Thesis Topic: Banking Analysis for Small and Medium Hong Kong Banks		
	The Wuhan University, Wuhan, China		
	Bachelor of Science, School of Mathematics and Statistics, July 2003		
	• Thesis Topic: Double Moral Hazard Problem in Venture Capital Finance		
Research Expertise	Computational and financial econometrics		
	Bayesian statistics		
	Financial risk forecasting and management		
	Data analysis		
	Markov chain Monte Carlo estimation		
	Time series econometrics		
Key Skills	Significant experience in time series data analysis, statistical computation, Bayesian statistics, and financial risk modelling and forecasting.		
	Extensive skills in MATLAB and SAS with experience in model coding, financial models, statistics, data process, and graph		
	Confident user of TEX (LATEX, BIBTEX), and most common productivity tools for Windows and OS X		
	Demonstrated writing and presentation skills		
	Proven ability to work independently as well as collaboratively in a team		

	Strongly motivated and determined to see the project through to an excellent end		
Mathematical Expertise	Mathematical Modeling, Probability Theory, Multivariate Statistics Analysis, Real and Complex Analysis, Linear Algebra and Analytic Geometry, Numerical Analysis		
PROFESSIONAL EXPERIENCE	Peking University HSBC Business School, Shenzhen, China		
	Assistant Professor 2012–current		
	• Instructor for Applied Econometrics.		
	• Fall 2012		
	• Responsible for 4 hour lecture and supervision where first-year postgraduate students implement econometric methodology in real world business and economic issues.		
	• Developed hundreds of pages of supplementary course material.		
	• Graded students term papers.		
	The University of Sydney, Sydney, NSW Australia		
	Research Assistant for the project in the electricity hedging models for the Australian market 2010–2012		
	• Generating descriptive analysis of the weekly spot and future electricity price for the state of New South Wales.		
	• Participating in designing the jump model for the price sparks.		
	• Designing adaptive Kalman Filter algorithm for parameter estimation.		
	• Regularly summarizing research progress and writing report.		
	• Closely working with the supervisor and team members to transform the concepts into models.		
	• Realizing the computational schemes and the model in Matlab and carrying out simulation experiments.		
	Research Assistant in the Discipline of Operations Management and Econometrics, specializing in financial time series analysis 2008–2010		
	• Analyzed large scale financial time series data sets.		

- Developed and improved financial risk forecasting models, particularly the Valueat-Risk and the Expected Shortfall models.
- Designed and enhanced the efficiency of computational algorithms, such as adaptive Markov chain Monte Carlo sampling scheme.
- Derived novel backtesting methods for evaluating risk models.

- Programmed for the model and realization of Monte Carlo algorithm in Matlab.
- Performed the simulation study, applied models to stock return and exchange rate return series, and conducted pre- and post-crisis analysis for the GFC.
- Validated risk models using a variety of formal and non-formal testing methods.
- Effectively communicated and collaborated with the supervisor and co-authors.
- Produced publishable papers on the projects.

Tutor for ECMT 3150: The Econometrics of Financial Markets 2010

• Instructed second year and third year students to develop solid techniques in Matlab with application of financial econometric models

Tutor for ECMT 3130: Forecasting for Economics and Business 2008–2009

• Instructed second year and third year students to develop solid techniques in SAS with application of business statistic models

Tutor for ECMT 2120: Analysis of Discrete Choice Data 2007

• Carried out workshops on theories and practice of discrete choice models for economics and business

Tutor for ECMT 1010 & 1020: Business Statistics 2007 –2008

- Carried out workshops on theories and practice of statistical analysis for economics and business
- Instructed first year students to develop solid analytical techniques in Excel

A human resource consulting company in China

Assistant Consultant

2006-2007

- Analyzed and compiled background studies of the industries, markets and competitors, offered reliable information for senior consultants
- Conducted cold calls and searched for potential candidates in the industry or related areas

China Scholarship Council

AWARDS

• Chinese Government Award for Outstanding Self-financed Students Abroad, 2011

Statistical Society of Australia Inc., New South Wales Branch

• Award for Excellence in Postgraduate Research, 2010

The University of Sydney

- PreDoc Funding Award, 2011
- The Faculty of Economics and Business International Students Scholarship, 2007–2010

	 The Wuhan University The School of Mathematics and Statistics Award for Outsta 2000–2002 University Outstanding Students Award, 1999-2000 	anding Students,
PUBLICATIONS	Chen, Q., Gerlach, R., "The two-sided Weibull distribution and forecasting financial tail risk", under the second review of <i>International Journal of Forecasting</i> , November 2012.	
	Chen, Q., Gerlach, R., and Lu, Z., Forthcoming, "Bayesian Value-at-Risk and expected shortfall forecasting via the asymmetric Laplace distribution", <i>Computational Statistics and Data Analysis</i> , 56(11): 3498-3516 (2012).	
Conference Talks	Chen, Q., "Bayesian Methods for Estimation, Inference and Forecasting of Flexible Models for Value-at-Risk and Tail Conditional Expectations", the International Sym- posium on Business and Industrial Statistics 2012, Bangkok, Thailand, 20th June 2012.	
	Chen, Q., "Forecasting financial tail risk via a conditional partitioned distribution", 31th International Symposium on Forecasting, Prague, Czech Republic, 27th June 2011.	
	Chen, Q. and Gerlach, R., "Asymmetric volatility and dynamic skewness in Bayesian value-at-risk and expected shortfall forecasting model", <i>Australian Statistical Conference 2010</i> , Fremantle, Australia, 8th December 2010.	
	Chen, Q. and Gerlach, R., "Impacts of asymmetric volatility and dynamic skewness on Bayesian forecast for Value-at-Risk and expected shortfall", <i>30th International</i> <i>Symposium on Forecasting</i> , San Diego, United States, 22nd June 2010.	
	Chen, Q. and Gerlach, R., "Expected shortfall and Value-at-Risk via the asymmetric Laplace distribution", <i>Ninth Valencia International Meeting on Bayesian Statistics</i> , Benidorm, Spain, 3rd June 2010.	
GRADUATE AND UNDERGRADUATE RESEARCH	Chen, Q., "Organizational Transformation & Business Performance of Information Technology Industry", Hong Kong University of Science and Technology, May 2006.	
	Chen, Q., "Cross-country Study of Lung Cancer's Inducing Factors", Hong Kong University of Science and Technology, November 2005.	
Service	Peking University HSBC Business School, Shenzhen, Ch	ina
	Member of Curriculum Committee	2012–current
	Member of Research Committee	2012–current