Shujuan (Jane) Huang

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EDUCATION

Aug.2010—Present University of Connecticut(UConn) Storrs, CT, USA
Major in Actuarial Science (**Ph.D.** program), Cumulative GPA: 4.1/4.3
Passed all four Ph.D. prelims: Numerical Analysis(Jan.2011), Risk Theory(Jan.2011), Applied Math(Aug.2012) and Probability(Jan.2013)

Aug.2005—July.2008 University of Electronic Science and Technology of China (UESTC) Chengdu, China
M.S in Operations Research and Cybernetics (Stochastic Queueing Theory and Reliability)
Cumulative Overall GPA: 87.1/100 or 3.86/4.00; Major: Ranked 1 out of 18

Aug.2001—July.2005 University of Electronic Science and Technology of China (UESTC) Chengdu, China
B.S in Information and Computing Science, School of Applied Mathematics
Major GPA: 91.2/100 or 3.86/4.00; Major: Ranked 2 out of 60

EXAMES & LICENCES

Passed all preliminary exams of **SOA**(Society of Actuaries): **P FM,** M (equivalent to **MLC & MFE**) and **C** of SOA in one year(May 2005 to May 2006)
Passed **CAS**(Casualty Actuarial Society) online course 1 exam: Risk Management and Insurance Operations (Jan 2014)
Earned all **VEE** credits: Corporate Finance & Applied statistics(2011), Economics(2012)
SAS Certified **Predictive Modeler** using SAS Enterprise Miner 6 Credential (Nov.2012)
SAS Certified Base Programmer for SAS9 (May 2012)
FAP (Fundamentals of Actuarial Practice, SOA, in progress)

EXPERIENCE

Jan. 2013 to present **Predictive Analyst, CIGNA-UConn Analytics Lab** UConn, Storrs, CT
Work as Graduate Assistant in the College of Liberal Arts and Science (CLAS) in direct relation with the CIGNA research project. Predictive modeling projects related to risk assessment and pricing. Bayesian inference and model selection.

Aug.2010 to present **Teaching Assistant, Math Department** UConn, Storrs, CT
Instructor on Math 1071 (Calculus for Business and Economics) on spring 2014.
TA on Math 1131 (Calculus 1) Discussion Section on Fall 2012.

April 21, 2014 **Conference Presentation on Student Actuarial Research Conference** UConn, Storrs, CT
Topic "Model Selection and Averaging of Health Costs in Episode Treatment Groups"

May 15th & Nov. 17th,2013 **Invited Talks at Cigna** Cigna, Bloomfield, CT
Risk Assessment for Stop Loss Insurance (Nov.7th, 2013).
Risk Assessment Using Hierarchical Models (May 15th, 2013).

Jul.31 to Aug.3, 2013 **Conference Presentation on 48th ARC** Temple University, Philadelphia, PA
Risk Assessment in Group Health Claims on 48th Actuarial Research Conference (ARC).

Jun. 4 to Jul. 27, 2012 **Treaty Pricing Summer Intern** Gen Re, Stamford, CT
Work as Treaty Pricing Analyst on P&C reinsurance treaty pricing. Projects related to Tornado Forecasting, Predictive Modeling and Ratemaking.

Spring 2012	**Tower Watson Project Analyst**	UConn, Storrs, CT
	Work as MATLAB programmer on Tower Watson Project with Prof. Jay Vadiveloo: "Modeling Equity Indexed Annuities using Replicated Stratified Sampling".	
Aug.11-13, 2011	**Conference Presentation and Published Paper on ARCH, SOA**	UConn, Storrs, CT
	• Oral presentation at the 46th Actuarial Research Conference "Modeling Motorcycle Insurance Rate Reduction due to Mandatory Safety Courses"	
	• Paper: Modeling Motorcycle Insurance Rate Reduction due to Mandatory Safety Courses, *Actuarial Research Clearinghouse (ARCH) 2012 issues*, Oct. 2011	
Feb. 2011 to Feb. 2012	**Research Analyst Volunteer, Goldenson Center for Actuarial Research**	UConn, Storrs, CT
	• "National Retirement Satisfactory Index". Cooperated with Tower Watson.	
	• "Costs and Cost Saving of Motor Vehicle Injury Prevention". Cooperated with Injury Prevention Center and Connecticut Children's Medical Center.	
Sep.2005 to July.2008	**Research Experience in UESTC**	Chengdu, China
	Academic Projects: "The Analysis and Optimization of Repairable Queueing Systems"	
	Publications: One international journal paper, two international conference papers, three Chinese Journal papers and two Chinese conference papers.	
Jul.2002 to Oct.2008	**Mathematical Modeling**	Chengdu, China
	Trained in the Mathematical Modeling Team of UESTC for University Mathematical Modeling Competition. Wrote paper and performed mathematical modeling in the team. Awards on Mathematical Modeling: First Rank Award, Graduate Mathematical Modeling Competition, "Optimal Allocation Model of School Bus in University", UESTC, 2008	
Nov.2007 to Jan.2008	**Internship in Baidu.com, Inc**	Beijing, China
	Worked as Product Strategy Analyst in Baidu.com, Inc, Beijing, which is the leading Chinese Internet search provider. Performed data inquiry and analysis, using MySql database and Excel. Projects: "Revenue Forecasting using Time Series Analysis with Consideration of Marketing Practice".	

HONORS AND AWARDS

♦ Honor:

Society of Actuaries' James C. Hickman Scholar(SOA, 2013 fall to 2015 spring)
ING Actuarial Graduate Program Scholar(UConn, 2013)
Excellent Graduate (UESTC, 2008); Outstanding Student (UESTC, 2003)
Excellent Secretary, Student Union of the Math Department (UESTC, 2001)

♦ Grants

CKER Travel Grants for the 48th Actuarial Research Conference(SOA, 2013)
Weather-Based Damage Prediction Summer Research Grant (UConn, Engineering, 2013)

♦ Scholarship:

Research Assistant Scholarship (CIGNA-UConn, 2013, 2014)
Teaching Assistant Scholarship (UConn, 2010 to 2012)
Science/Engineering Fellowship (CCNY, 2008)`
Graduate People's Scholarship (Grade 2, 2006)
Undergraduate People's Scholarship (Grade 1, 2002 &2004; Grade 2, 2005)
National Scholarship (Grade 2, 2003)

♦ Awards:

Runner-up, Debating Competition, Department (UESTC, 2003)
Graduates Women's Singles Badminton Champion of Math Department (UESTC, 2006)

OTHERS

♦ **Computer Skills:**

Office Software: MS Word, Excel, PowerPoint, Latex
Database: MySql, Access
Statistical and Mathematic Tools: **SAS, Matlab, R, SPSS**