Sheng-yang (Sean) Wang

Curriculum Vitae

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Education

2011–present	**Ph.D., Candidate**, *Statistics*, University of South Carolina, expected graduation year: 2016
12/2011	**Master of Science in Statistics**, University of New Mexico
12/2009	**Master of Science in Computer Science**, University of New Mexico

Work Experience

2005-2011 **Statistical Analyst & Programmer**, INSTITUTE OF SOCIAL RESEARCH, ABQ, NM
- Developed SQL script language over Oracle database to extract meaningful information from unstructured text or unformatted text of up to 1 million entries along with 23 relation tables in the Metropolitan Detention Center Database, Bernalillo County Jail, ABQ, NM.
- Build up MySQL database and maintain data integrity in database application.

2000-2004 **Senior Software Engineer**, APPLIED MATERIALS INC., Sunnyvale, CA & Tainan, Taiwan
- maintenance and programming in C/Java/C++/Fortran 70/99.
- consulted and supported customers with debugging software issues.

Research Experience

07/2013- **Dissertation Topic: Adaptive Regression Model for Flexible Survival Data Analysis**,
Present *Advisor: Dr. Lianming Wang*

1. A unified slice sampler for regression analysis of current status data under linear transformation models (under revision, supervised by Dr. Lianming Wang).
2. A Bayesian GORH model for general interval-censored data (under revision, supervised by Dr. Lianming Wang).
3. Bayesian semiparametric joint modeling of longitudinal outcomes and interval-censored data (on-going project).

Teaching Experience

2011-present **Statistical Consultant & Teaching Lab Assistant**, DEPARTMENT OF STATISTICS, USC, Columbia, SC
- STAT 205 Teaching Assistant (Elementary Statistics for the Biological and Life Sciences).
  Full responsibility for grading homework and held office hours to provide assistance by tutoring.
- STAT 201 Lab instructor (Elementary Statistics).
  Motivated students to learn the course material by the means of carrying out statistical experiments. Full responsibility for teaching undergraduate students (around 72 students) in the statistical computer lab and grading lab reports on a weekly basis.
- STAT 790/791 Statistical Consultant (Practicum in Statistical Consulting).
  Consulted several projects, including environmental science, anthropology and psychology.

Publications

Spring/2012 **Wang, SY & Zhang, G., Price-Pattern Recognition Utilizing Local Polynomial Regression**, *Journal of Trading Vol. 7, No. 2: pp. 37-43*

Honors & Awards

2015 **Graduate Student**, DEPARTMENT OF STATISTICS, University of South Carolina, SC
- The Graduate School Travel Grant, USC, ENAR 2016 Spring Meeting, Austin TX, March 6-9 2016

2001-2004 **Senior Software Engineer**, Applied Materials Inc., Sunnyvale, CA & Tainan, Taiwan
- Product Excellent Software Support Engineer, Q4 2004
- Global Quality Recognition Award, Problem Solution, Q4 2001
- Global Quality Recognition Award, Value Added Continuous Improvement, Q1 2001

Extracurricular Activities

2012-present Vice President of Global Leadership Network, University of South Carolina

Oct 17,2015 Volunteering with the City of Columbia, the Red Cross, the United Way of the Midlands, and the Central Carolina Community Foundation for SC Flood Relief fundraising

Immigration Status

U.S. permanent resident.

References

Dr. Lianming Wang, *Associate Professor, Department of Statistics, University of South Carolina*, Phone: (803)777-6387, Email Address: wang99@mailbox.sc.edu