Xiaochu Wang

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<u>xiaochu@che.utexas.edu</u>			
Objective	A full-time position in chemical engineering		
Education	PhD, Chemical Engineering, August 2 The University of Texas at Austin Overall GPA: 3.94/ 4.00	007 Major GPA: 3.92/ 4.00	
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	Master of Science, Control Science and Zhejiang University, China Overall GPA: 3.75/ 4.00		
		Major GPA: 3.84/ 4.00	
	Bachelor of Engineering, Control Scien Zhejiang University, China Overall GPA: 3.77/ 4.00	nce and Engineering, May 2000 Major GPA: 3.88/ 4.00	
Related Courses			
	Mechnics, Surface Phenomena, Material	r Thermodynamics, Polymer Science, Statistical Seminar, Applied Functional Analysis, Linear ring, Artificial Intelligence, Pattern Recognition	
Experience			
09/2003 - Present	Graduate Research Assistant, The University of Texas at Austin Explored the effect of CO2 on the polymer interfaces, explained why anomalous swelling happens and discussed the feasibility of using CO2 in polymer welding.		
01/2005 - 05/2005	Teaching Assistant, The University of Texas at Austin Led undergraduate students to conduct the experiments, including fluid flow measurements, process control, etc. Prepared quizzes about the technical background, and evaluated students' performance on quizzes and written reports.		
09/2000 - 05/2003	Research assistant, Institute of Advanced Process Control, Zhejiang University Desinged algorithms of fault detection based on statistical methods		
7/1999 - 8/1999	Summer Internship, Sinopec Zhenhai Refining & Chemical Co. Ltd. Studied the refining process and the relevant computer–aided control system		
7/1998 - 7/1998	Summer Internship, Baoshan Steelworks, Shanghai Studied the steelmaking process and the relevant computer–aided control system		
Academic Experience	Supercritical Carbon Dioxide Adsorpt Proved that the adsorption is highly relate explained why anomalous swelling happe	ed to the compressibility of the fluid, and	
Skills	Experinced programming in Molecular D Experienced in implementing algorithms Proficient with Microsoft Office, UNIX of	with C/C++, FORTRAN, Matlab, Mathematica	
Accomplishments	(June 2004 – April 2006)	l Engineers (AIChE) PS) Association of the University of Texas at Austin ction at UT Austin (September 2004 – January nip, First Prize (2001)	

	Recipient, Honor Certificate for Mixed Class (An elite program class) (2000) Recipient, Meritorious Paper Award in ICM (Interdisciplinary Contest in Modeling) (2000) Recipient, Zhejiang University Scholarship, First Prize (1999) Recipient, Zhejiang University Scholarship, Second Prize (1997) Recipient, Matriculation Scholarship (1996)
Publications	 Xiaochu Wang and I. C. Sanchez "Anomalous Sorption of Supercritical Fluid on Polymer Thin Films" To appear Y. Huang; X. Wang and D.R. Paul "Physical aging of thin glassy polymer films: Free volume interpretation", Journal of Membrane Science 2006, 277 (1–2), 219–229 Yuan Li; Xiaochu Wang; Isaac C. Sanchez; Keith P. Johnston and Peter F. Green "Supercritical Fluid Induced Phase Segregation in Asymmetric Block Copolymer Films" Submitted K. Wu; X. Wang; E. K. Kim; C. G. Willson and J. G. Ekerdt "Experimental and Theoretical Investigation on Surfactant Segregation in Imprint Lithography" Submitted Xiao–Yan Wang; Frank T. Willmore; Roy D. Raharjo; Xiaochu Wang; I. C. Sanchez and B. D. Freeman "Physical aging in poly[1–(trimethylsilyl)–1–propyne] membranes: Effects on free volume and permeability" To appear Wang, Xiaochu; Rong, Gang "Improved PCA with application to Fault Detection", Journal of Southern Yangtze University (Natural Science Edition), 2(3), 221–225, 2003 Employability Status: Student Visa