

YONG LEI

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RESEARCH INTEREST	
	Statistical and AI methods in diagnosis, Embedded Systems, Industrial Network, Nonlinear Control, Robotics, Machine Vision
EDUCATION	
	Sep. 2001 - Present Graduate Student University of Michigan
	Sep. 1998–July. 2001 M.S. Robotics. Department of Precision Instruments and Mechanology Tsinghua University
EXPERIENCE	
	2001– Present <i>Research Assistant</i> University of Michigan <ul style="list-style-type: none">Research on Intelligent Maintenance Systems
	1998–2001 <i>Research Assistant</i> Tsinghua University <ul style="list-style-type: none">Developed RTLinux based Reconfigurable Parallel Kinematic Machine Tools CNC system collaborated with Bosch Rexroth China.System Tested on 5 different Parallel Kinematic Machine ToolsInvited Presentation at the 1st Forum of SERCOS application in China, Beijing, Oct. 23, 2000. Topic: Real-time System Design on SERCOS Interface
	1996–1998 EDA Lab <i>Research Assistant</i> Huazhong Univ. of Sci. & Tech. <ul style="list-style-type: none">FPGA applicationUniversity Team Leader in 4th Collage Student Electronics Design Contest of China
PUBLICATIONS	
	<ul style="list-style-type: none">RTLinux based Open CNC System, Proceeding of 4th International Conference on Frontiers of Design and Manufacturing, Hangzhou, P. R. China, 2000.Delta Tau Motion Controller Developer's Manual (In Chinese). 2000
CURRENT PROJECT	
	Embedded Watchdog Agents for Industrial Automation Systems

