

ZIMIN (MAX) YANG

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RESEARCH INTEREST		
	Computational optimization methods, system-level maintenance modeling and optimization, maintenance cost model	
EDUCATION		
	Sep. 1999–Present	University of Michigan MS., Ph. D, Mechanical Engineering, Department of Mechanical Engineering
	Sep. 1993–Dec. 1997	Shanghai Institute of Science and Technology BS. Mechanical Engineering, Department of Mechanical Engineering.
EXPERIENCE		
	1997–1999	Shanghai General Motors (SGM) Shanghai <i>Maintenance Engineer</i> <ul style="list-style-type: none"> ■ Involved in shop construction, installation, setup and debugging ■ Responsible for production line PLC's and controlling PC's ■ In charge of Lock-out project for floor maintenance safety
	1997–1997	Electronic Data System (EDS) Shanghai <i>Application Engineer</i> <ul style="list-style-type: none"> ■ Customization of Production Data Management (PDM) package ■ Involved in the deployment of PDM solution in local factories
PROJECTS		
	2003	Maintenance priority assignment with GM Warren, MI
	2001–Present	Intelligent Maintenance System (IMS) Ann Arbor, MI
	2001	Gundrill benchmarking project for HONDA Ann Arbor, MI
	1999	PDM implementation for Shanghai Blower Works Shanghai
PUBLICATIONS		
	Cheng, X. H., Yang, Z. M., Lee, J., Ni, J., <i>Optimization Consideration of the Intelligent Maintenance System</i> , proceedings for Managing Innovative Manufacturing Conference, Milwaukee, 2002	
SKILLS		
	Optimization methods and application, computer simulation, software programming using ARENA, ProModel, C/C++, Visual Basic, Matlab, Mathematica, Database, Networking	

