

# JIANSHE FENG

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- CONTACT**      *Address:* 3060 Marshall Ave, Cincinnati, OH, 45220  
*Phone:* (513) 886-7780      *E-mail:* fengje@mail.uc.edu
- EDUCATION**
- Ph.D.** in Mechanical Engineering *2015.08 - present*  
**University of Cincinnati (UC)**, Cincinnati, OH, 45220
- Lab: NSF I/UCRC Center for Intelligent Maintenance Systems (IMS)
- M.S.** in Mechatronic Engineering *2012.08 - 2015.03*  
**Zhejiang University (ZJU)**, Zhejiang, P.R.China
- Lab: State Key Lab of Fluid Power and Mechatronic Control
  - Specialization: Modeling and reliability analysis of mechatronics systems
  - GPA: 3.91/4.00
- B.S.** in Mechanical Engineering *2008.08 - 2012.07*  
**Tongji University (TJU)**, Shanghai, P.R.China
- Thesis: Study of Communication and Control System of Ring Rail Crane
  - GPA: 4.43/5.00
- PROJECTS**
- Monitor Design and Fault Diagnosis of Power Management System** (National 863 Plan)  
State Key Lab of Fluid Power and Mechatronic Control, Zhejiang University *2012.09 - 2014.07*
- Designed power monitor and protection schemes based on embedded PC/ PLC/ microcontrollers
  - Designed hardware systems (relay control, signal acquisition, Over current/voltage protection etc.)
  - Designed software by C, Human-Machine Interface by WinCC, Structure by Solidworks/CAD
- Reliability Analysis and Optimization of Undersea Observatories** (National 863 Plan)  
State Key Lab of Fluid Power and Mechatronic Control, Zhejiang University *2013.7 - 2014.09*
- Established system reliability model based on FMECA and mode importance
  - Developed a complex system reliability simulation based on minimum cutsets and Monte Carlo method
  - Analyzed small sample and obtained reliability parameters based on probability and statistics
  - Developed a general model for complex engineering systems based on equivalent fault tree
- Study of Communication and Control System of Ring Rail Crane** (Horizontal project)  
Process Automation Lab, Tongji University *2012.02 - 2012.06*
- Built overall architecture of crane control and communication network
  - Completed Distributed Control System of crane based on PC, PLC and CAN bus
- Multi-purpose Indoor Service Robot** (Research Train project)  
Tongji University *2011.04 - 2012.04*
- Finished the overall design (program identification, scheduling, cost control)
  - Designed mechanical drive system, control circuits and microcontroller's programs
- INTERNSHIPS**
- Shanghai Volkswagen Co., Ltd(SVW)** *2014.07 - 2014.08*  
*Product Manager Intern*
- Assisted to design project plans, complete project coordination and technical changes
  - Modified some Handbook, optimized to improve suppliers' efficiency of supply in project baseline
- Shanghai Automotive Industry Co., Ltd(SAIC)** *2011.07 - 2011.08*  
*Engineer Support Intern*
- Mastered quality assurance system of automobile and assisted to improve engineering change system
  - Contacted front design, back-end logistics dept. and suppliers, developed communication capability

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CERTIFICATES, AWARDS, AND SCHOLARSHIPS	● Honor for graduate in ZJU (5%)	2013
	● <b>Outstanding graduate in Shanghai</b> (3%)	2012
	● <b>Shanghai government scholarship</b> (1%)	2011
	● Merit student leader in TJU(3%)	2011
	● <b>1st prize of mathematical contest in modeling (MCM) in East China</b> (5%)	2011
	● <b>2nd prize of MCM in China</b> (3%)	2011
	● 2nd prize of ACM Challenge Contest in TJU (10%)	2011
	● <b>National Encouragement Scholarship</b> (1%)	2010
PROFICIENCY	<b>Professional software</b> AutoCAD, Solidworks, ANSYS, Fluent, CFX, Altium Designer, Visio	
	<b>programming languages</b> C/C++/C#, Matlab/Simulink, Python, L <sup>A</sup> T <sub>E</sub> X	
VOLUNTEER ACTIVITIES	<b>Volunteers Group in International Conferences ICFP2013 and IFAC2013</b> <i>Group Leader</i>	2013.04
	● assigned team tasks, schedules all meeting processes, planned meeting-place arrangement ● took in charge of arrangements and coordination in the meeting, maintained meeting order	
	<b>Sunshine Home Volunteer Association in Shanghai</b> <i>Team Leader in M.E. College</i>	2010.10-2011.06
	● Organized group activities such as English class, manual roses for people with intellectual disabilities ● Recruited new volunteers, carried out publicity and education activities	