



# Lin Zhou 周麟

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## Education Background

2011—Present:	Univ. of Michigan-SJTU Joint Institute, Shanghai Jiao Tong University	
	M.S. in Electrical and Computer Engineering	GPA: 3.83 /4
2007—2011:	Univ. of Michigan-SJTU Joint Institute, Shanghai Jiao Tong University	
	B.S. in Electrical and Computer Engineering	GPA: 3.57/4

## Professional Experience:

2012—Present	<b>Multi-disk Motor Control</b>	<b>BoZun Co. Ltd.</b>
	<ul style="list-style-type: none"><li>◆ System modeling and simulation</li><li>◆ Control strategy development</li><li>◆ Polynomial-method-based PID controller design</li></ul>	
2012	<b>Investigation and Analysis of Industrial Chain of Chinese Low-cost E-Bike Industry</b>	<b>Nissan Research Center, Japan</b>
	<ul style="list-style-type: none"><li>◆ Literature survey on the industrial chain of Chinese E-bike industry including demand-supply relationships, modularization of key components</li><li>◆ Benchmark investigations on two representative Chinese E-bikes</li></ul>	
2011—2012	<b>Modular EV Project</b>	<b>NTN Co., Japan</b>
	<ul style="list-style-type: none"><li>◆ Hardware and software integration</li><li>◆ Prototype modular EV testing</li></ul>	
2011	<b>Methodology Establishment for EV Powertrain Topologies</b>	<b>Bosch(China)</b>
	<ul style="list-style-type: none"><li>◆ Methodology discussion and component-level configuration</li><li>◆ Proposal on multi-physics interactive analysis for efficiency and cost analysis</li></ul>	
2010—2011	<b>Technological Options for Low-cost Electric Vehicle</b>	<b>GM (China)</b>
	<ul style="list-style-type: none"><li>◆ Literature survey and analysis on the battery technologies in Chinese market</li><li>◆ Battery testing program and hardware preparation</li><li>◆ Testing and analysis of ten representative Chinese motors and batteries</li></ul>	

## Research Experience:

2012—Present	<b>Polynomial-based low-order controller design</b>	
	<ul style="list-style-type: none"><li>◆ Optimized assignment of characteristic ratios for high-order systems</li><li>◆ Build-up, programming and integration of servo control system</li><li>◆ Experimental testing using multi-mass torsional system</li></ul>	

## Extracurricular Experience:

2012—Present	<b>Center for Learning and Teaching-(UM-SJTU JJ)</b>	<b>Teaching Assistants Mentor</b>
	<ul style="list-style-type: none"><li>◆ TA training workshops/seminars planning and teaching</li><li>◆ TA individual consultation and Midterm Student Evaluations</li></ul>	
2012	<b>Center for Learning and Teaching-(UM-SJTU JJ)</b>	<b>Teaching Assistant</b>
	<ul style="list-style-type: none"><li>◆ TA of “Introduction to signal and system”</li><li>◆ In charge of recitation sessions, lab sessions and office hours</li></ul>	
2007—2011	<b>Gezhi High School and Shanghai Children Palace</b>	<b>Teaching Assistant</b>
	<ul style="list-style-type: none"><li>◆ Teaching of “data structure and algorithm”</li></ul>	

- ◆ Supervision of students with study difficulties

### **Scholarships & Awards:**

Oct	2011	Excellent League Member	
2008—2010		UM-SJTU Joint Institute Dean's List	GPA>3.5
2008—2010		SJTU Academic Excellence Scholarship	Third Class
Dec	2007	National Olympic in Informatics	First Prize

### **Certificates & Skills:**

English: CET-6; Fluent in speaking and writing

Professional software skill: Matlab, C++, PSIM