
Objective	Position in Mechanical Engineering or related field, preferably in Mechatronics related applications in system controls.	
Education	2004 - Present University of Wisconsin - Madison Madison, WI	
	<ul style="list-style-type: none">▪ B.S. Mechanical Engineering, <i>Expected December 2009</i>▪ Major GPA: 3.58▪ Dean's List Past 3 Semesters▪ Special interest in system controls (Electrical/Computer/Mechanical).▪ Relevant Coursework: Statics, Dynamics, Mechanics of Materials, Thermodynamics, Fluid Dynamics, Machine Element Design, Hybrid Vehicle Powertrains, Machine Organization & Design, Digital Fundamentals, Circuit Analysis, Critical Thinking, Logic	
Experience	MotoTron Corp Oshkosh, WI	
	Mechatronics Engineering Intern	
	<ul style="list-style-type: none">▪ Developed Drive-by-Wire Force-Feedback Helm for Project Zeus.<ul style="list-style-type: none">○ Patent on Control Strategy filed with U.S. Patent Office.▪ Worked closely with Hydraulic systems / Developed Auto Valve Characterization System.<ul style="list-style-type: none">○ Patent on Control Strategy filed with U.S. Patent Office.▪ Worked extensively with Hybrid Motor Controller and Hybrid Vehicle Systems.<ul style="list-style-type: none">○ Developed Full Hybrid Vehicle Model for Efficiency Optimization.○ Space Vector Pulse Width Modulation (SVPWM).▪ Collected and analyzed data.▪ Worked closely with Thrust Vectoring Propulsion System.▪ Helped troubleshoot various problems on vessels and vehicles.▪ Worked with MotoHawk™ ECU-based Rapid Prototyping.	
	University of Wisconsin - Madison Madison, WI	
	UW-Madison Formula SAE Team	
	<ul style="list-style-type: none">▪ 2007 Formula SAE 1st Place - World Championship Cup.▪ 2008 Formula SAE VIR - 1st Place.▪ Successfully Developed/Tested/Tuned Traction Control / Launch Control System.▪ Complete Engine Management Design and Tuning.▪ Designed Powertrain Controls with MotoHawk Rapid Prototyping System – Model Based.▪ Worked with engine electronics and controls.	
	University of Wisconsin - Madison Engine Research Center Madison, WI	
	Engine Control System Assistant	
	<ul style="list-style-type: none">▪ Helped maintain and troubleshoot current engine controls.▪ Implemented new control strategies within current controls.▪ Calibration of engine systems.	
Skills	<ul style="list-style-type: none">▪ Highly Computer and electrically literate▪ MIG & TIG Welding▪ Excellent Problem Solving Skills	<ul style="list-style-type: none">▪ Engine Controls / Electronic Systems▪ Control Systems▪ Controller Area Network (CAN)
Software	<ul style="list-style-type: none">▪ Proficient with Windows, Linux, Unix, Matlab, Simulink, MotoHawk, NI LabView, Office, SolidWorks, UG NX4	