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**Objective:** Entry-level position related to Mechanical Engineering

**Education:** Worcester Polytechnic Institute, Worcester, MA  
**Master of Science in Mechanical Engineering May 2010**  
**Bachelor of Science in Mechanical Engineering May 2009**  
Concentration: Mechanical Design, Minor in Manufacturing, GPA 3.5

**Related Coursework:**

Advanced kinematics	Finite Element Method and Applications
Design of Machine Elements	CAD and Geometric Modeling
Applied Elasticity	Advanced Engineering Design
Design for Manufacturability	Control and Monitoring of Manufacturing Processes

**Skills:** **Computer:** Pro/Engineer Wildfire, Microsoft Word, Excel, PowerPoint, Outlook

**Projects:** **Major Qualifying Project**, Gillette, Boston, MA, August 2008 – December 2008  
“Unload Mechanism Redesign”  
Analyzed a current machine station in Gillette’s manufacturing process through both CAD-based and experimental methods. Discovered problems at station were due to complexity of the design. Redesigned the station to reduce number of degrees of freedom in the system, which resulted in the reduction of moving parts and an improvement in the system’s dynamics

**Interactive Qualifying Project**, Boston, MA, January 2008-April 2008  
“Increasing Energy Efficiency on Massachusetts Dairy Farms”  
Worked in a group with three other students of different majors to aid dairy farmers in decreasing their cost of production by improving energy efficiency. Researched alternative energy solutions and available technologies to reduce energy usage on dairy farms. Supplied five dairy farms in Massachusetts with an analysis of which technologies would be most beneficial and cost effective in reducing their energy consumption.

**Experience:** **Intern, Westinghouse Electric Company**, Windsor, CT, May 2009-August 2009  
Redesigned an instrumentation flange assembly to reduce the complexity of the design. Reduced the number of components requiring machining from size to three, decreased the weight of the system by over half, and simplified the method of system assembly and disassembly for part maintenance. Performed preliminary stress and frequency calculations to verify the components were within specification.

**CAD Designer, Technipower**, Danbury, CT, January 2009-May 2009  
Redesigned a complete round mount turn-key photovoltaic system that could be assembled on site in less than half an hour. The design was made up of mostly commercial available parts, only the aluminum beans need to be cut to length and drilled for mounting holes. Created a complete drawing package of the system.

**Activities:** American Society of Mechanical Engineers, 2008-present; Society of Automotive Engineers, 2008-present; Club Soccer, Captain 2005-present; WPI Orchestra, 2005-present