

Christopher R. Huxtable

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OBJECTIVE	Seeking an engineering position working with renewable energy or energy efficiency for a company that offers a dynamic business vision and work environment.	
SUMMARY	Highly adaptable mechanical engineer with work experience in the HVAC industry and specializing in heat transfer, thermodynamics, and the refrigeration cycle. Strong work ethic with the ability to handle a high load of responsibilities and acquire/employ new skills quickly. Very efficient communicator with natural interpersonal skills.	
EDUCATION	Bachelor of Mechanical Engineering <i>University of Minnesota-Twin Cities, Institute of technology, Minneapolis, MN.</i> <ul style="list-style-type: none">• Study Abroad: Merida, Venezuela (Spring 2008).	<i>May 2012</i>
SKILLS	Design Software: AutoCAD, ANSYS, Pro-Engineer, MatLab, Microsoft Excel Programming Software: C++, Visual Basic Leadership: Experience leading groups with integrity and managing risks (Sigma Pi) Languages: English, Spanish	
PROJECTS	ME 3222 Design and Manufacturing Group Project <ul style="list-style-type: none">• Designed and manufactured moveable computer shelf using a four bar mechanism identified at three precision points.• Presented an in depth oral presentation on mechanism, the synthesis results, and model demonstration. ME 2011 Robotics Project <ul style="list-style-type: none">• Designed and created a vehicle which was able to avoid obstacles by using two mechanical sensors which controlled a reverse mechanism in the motor.• Employed my skills of mechanical design to ensure a practical, functioning, and cost model.	<i>Spring 2010</i> <i>Fall 2007</i>
WORK EXPERIENCE	Laboratory Engineer <i>Mammoth Inc, Shakopee, MN.</i> <ul style="list-style-type: none">• Managed HVAC test construction in accordance with ASHRAE standards and maintained lab-testing schedule.• Created Labview based test profiles, obtained data with software and analyzed test data.• Wrote technical test reports regarding unit performance and design improvements.• Wrote lab procedures to standardize lab operation. University of Minnesota Mechanical Engineer Co-op Program <i>Mammoth Inc, Eden Prairie, MN.</i> <ul style="list-style-type: none">• Designed and constructed test setups for heat pumps.• Updated CAD drawings for rooftop unit components and custom pricing tools.• Created an updated condenser performance rating software for new refrigerants.• Semester 1 & 2: Wrote semester final papers on PID controls and design process of a self-watering tomato planter.• Semester 3: Presented a formal power point presentation of the design paper. Turf Crew Student Employee <i>University of Minnesota Land Care, St. Paul, MN.</i> <ul style="list-style-type: none">• Maintained health and physical appearance of turf on St. Paul campus by mowing (riding and push), edging, aeration, and seeding. Student Employee <i>Wausau Paper, Brokaw, WI.</i> <ul style="list-style-type: none">• Worked in an industrial production environment and have a heightened and valuable understanding of the production process through diverse work tasks.• Responsible for running pulp creation machinery, transported dry pulp bails via fork lift, filled customer orders in stock warehouse via fork lift.	<i>July 2012-Present</i> <i>June 2011-May 2012</i> <i>May 2009-Sept 2009</i> <i>Summer 2007, 2008, 2010</i>

LEADERSHIP

Founding Father

Sigma Pi Fraternity, University of Minnesota-Twin Cities

*October 2007-May
2010*

- Founding Father of Iota Zeta Chapter-University of Minnesota- Mission: leadership, social and personal development, academic achievement, community service and heightened moral awareness.
- Served on the Judiciary Board of the chapter and documented risk management issues.
- Served as Meal Plan Coordinator- Ensured customer satisfaction, managed finances, developed an ownership system of dishes to ensure smooth functioning of meals and clean up.
- Served on a six member Executive Board to help maintain positive chapter conduct and direct chapter operations.
- Planned and negotiated annual “Orchid Ball” weekend trip for members and dates.

President and Founder

Young Americans for Liberty, University of Minnesota-Twin Cities

*January 2009-May
2010*

- Built a chapter of over 100 members.
- Planned, organized and hosted events with Congressman Ron Paul, Michelle Bachmann, and New York Times Best Selling Author Tom Woods.