

# Joseph (Joe) A. Kmetz

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## OBJECTIVE

To obtain gainful employment that utilizes the skills obtained while achieving my Bachelor's degree in Mechanical Engineering.

## EDUCATION

### John Brown University ([ABET Accredited](#))

Siloam Springs, AR

*Engineering-Mechanical Focus/ History minor*

August 2010 – May 2013

- Bachelor of Science in Engineering-Mechanical Concentration
- Cumulative Grade Point Average: 3.12
- Experience with Solidworks, AutoCAD, LTSpice, Mathcad, MATLAB, Quartus II
- [Final Transcript](#)

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### Iowa State University

Ames, IA

*Mechanical Engineering*

August 2008 – May 2010

- Experience with Six Sigma Process, Autodesk, Microstation

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### Cedar Valley Christian School

Cedar Rapids, IA

- Cumulative Grade Point Average: 4.03

August 2005 – May 2008

## WORK EXPERIENCE

### Engineering Intern

Siloam Springs, AR

[The Gates Corporation](#) (Contact: Jerry Reimer/479-524-1281)

May, 2012 – May 2013

My internship at Gates exposed me to many elements of the industrial and manufacturing realm. Working closely with the maintenance facilitators of the Siloam Springs Plant, I was involved with projects that dealt with the sustaining of the present working conditions in the factory. I honed skills associated with common drafting software, such as AutoCAD and Solidworks, so as to relate to the machining shop the specific dimensions and intricacies of a desired part. Along with the preservation of current conditions, I also had exposure to the concept of product flow and process improvement. I read in detail and gained experience with the Toyota Kata method of management.

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### Quality Control Engineering Intern

Massena, IA

[MidAmerican Energy](#) (Contact: Jim Griglione/515-423-3957)

Summer of 2011

While working at MidAmerican Energy, I served as the on-site company representative at the Rolling Hills Energy Farm for mechanical walk downs of the newly installed Siemens SWT-2.3-101 wind turbines. My responsibilities consisted of inspecting every part of the tower for loose or missing hardware as well as improperly assembled tower sections or electrical connections. This was the final process before commissioning the tower to operation. Along with being a representative during mechanical walk downs, I was an overall site monitor for all of the 193 wind turbine sites. This involved travelling to each site, talking with unit leaders, understanding problems, and relating information to superiors.

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### Program Director/Counselor

Deep River, IA

[East Iowa Bible Camp](#) (Contact: Tyson Guthrie/319-471-8161)

Summers of 2008-2010

I held the position of Program Director in the summers of 2009 and 2010. I held the responsibilities of being in charge of activities, acting as a head counselor, building relationships with the campers, delegating tasks, and doing odd jobs on the grounds. This position taught me how to be flexible and how to plan tasks. It also taught me difficulties faced when in a position of leadership. As counselor at East Iowa Bible Camp in 2008, I learned the skills of paying attention to detail, being punctual, and planning extensively. This job required a great deal of relationship building with others. A counselor is in charge of a small number of young children every week during the summer youth camps.

## LEADERSHIP POSITIONS

- JBU [Men's Club Volleyball](#) President, May 2012 – May 2013
- ESL Tutor at the [Dogwood Literacy Council](#), January 2011-February 2013
- Orientation Director at John Brown University, October 2011- September 2012
- Engineering Club President at John Brown University, August 2011- May 2012
- Vice President of the John Brown University Nature Society, 2011-2013
- Vice President of Harriman House, Roberts Hall at Iowa State University, 2010
- Social Chair for Harriman House, Roberts Hall at ISU, 2009
- BWR Challenge Chair for Harriman House, Roberts Hall at ISU, 2009
- Captain of the CVC basketball team, 2008 – 2009
- Captain of the CVC soccer team, 2008 - 2009
- Cedar Valley Christian School Leadership group member, 2007-2008
- Student leader in Maranatha Bible Church youth group, 2006-2008

## HONORS & AWARDS

- I passed the [Fundamentals of Engineering](#) (Oct. '12)
- I received the following scholarships at JBU: John E. Brown Founders Award, Trustee's Scholarship, James Walters Endowed Scholarship, and JBU Scholarship.
- I received the following scholarships at ISU: President's Award for Competitive Excellence, All Iowa Opportunity Scholarship, and Academic Competitiveness Grant.

## PROJECTS

- [HCJB Global Solar Powered Lamppost Charger](#)
- [World Vision Shelter Design Competition](#) ([Website](#))
- Solar Thermal Collector Air Heater
- [Solar Powered Desalination Unit](#)