

Ashley Baltes

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(402) 217-6090

EDUCATION

University of Wisconsin- Madison

Department of Chemical and Biological Engineering

Graduate Student

Advisor: John Yin, PhD

University of Nebraska- Lincoln

Bachelor of Science in Chemical Engineering with distinction

Graduation: May 2010

GPA: 3.95

HONORS

National Merit Scholar

Girl Scout Gold Award

RESEARCH AND WORK EXPERIENCE

UNL Department of Chemical and Biomolecular Engineering, Lincoln, Nebraska

Teaching Assistant, August 2009- May 2010

- Provided feedback and assistance for students taking chemical engineering courses (Fall 2009: CHME 113 Intro to Chem Engr I, Spring 2010: CHME 333 Transport II)

UNL Sweden Work, Engineering, and Design in Advanced Composites, Lulea, Sweden

Researcher at Lulea University of Technology, Summer 2009

- Tested the effects of fiber length, strain rate, and heat treatment on the strength of processed cellulose fibers
- Collaborated with international researchers from Latvia, Greece, France, and Vietnam

WasteCap Nebraska, Lincoln, Nebraska

Partners in Pollution Prevention Intern, September 2008-May 2009

- Performed waste assessments for five Nebraska businesses
- Researched, wrote, and presented reports with waste minimization suggestions
- Developed pollution prevention strategies resulting in potential annual savings of over \$30,000; 100,000 kWh; and 500,000 pounds of solid waste.

UNL Partners in Pollution Prevention Program, Columbus, Nebraska

Industrial Placement Intern at EGS Appleton Electric, Summer 2008

- Developed 18 pollution prevention strategies involving electroplater dragout reduction, infrared curing ovens, and insulation improvements, resulting in potential annual savings of over \$200,000; 9.3 million gallons of water; and 63,000 pounds of hazardous waste
- Wrote and presented technical assistance reports for management personnel

UNL Housing, Lincoln, Nebraska

Engineering Learning Community Mentor, August 2007 – May 2008

- Provided academic support for 80 freshman engineering students
- Organized programs on campus and trips off campus

INTERNATIONAL EXPERIENCE

UNL Engineering Study Abroad- Egypt (March 2010)

Sweden Work, Engineering, and Design in Advanced Composites Internship (Summer 2009)

ACTIVITIES

Tau Beta Pi (TBP) Member (2008-)

Society of Women Engineers (SWE), Fundraising Chair (2006-2007)

American Institute of Chemical Engineers (AIChE) student member (2006-2010)