

Jessie Keeler

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Education

Youngstown State University

Leslie H. Cochran University Scholar Award

B.E. In Chemical Engineering, expected May 2014

- Minors in Chemistry and Math
- 3.97 GPA

Relevant Experience

Refractory Specialties Inc., Sebring, OH, June 2011 - Present

Internship

- Developed and implemented research methods for solving problems that occurred when ceramic fiber products were frozen
- Saved company over \$60,000 by verifying freezing was a feasible production process
- Developed ways to implement hydrophobic materials into ceramic fiber production
- Obtained, analyzed, and cataloged data for various fiber products
- Created written reports to convey results of studies to partner companies, suppliers, and customers

Youngstown State University, Youngstown, OH, December 2012-June 2013

Undergraduate Research Assistant

- Researched the synthesis and application of carbon nanotubes
- Gained experience synthesizing samples via chemical vapor deposition
- Taught other students proper synthesis and research techniques

Awards

Donald F. Othmer Sophomore Academic Excellence Award

- Awarded to student with highest GPA in their local American Institute of Chemical Engineers chapter

Undergraduate Research Grant Recipient

- Awarded for research being performed with carbon nanotubes

Leadership/Involvement

American Chemical Society

- Educated students on importance of chemistry and its implications in everyday life
- Socialized with other students in chemistry related fields

American Institute of Chemical Engineers – Vice President

- Fostered relationships with fellow chemical engineering majors
- Gained insight into the industry

Habitat for Humanity – Vice President

- Created YSU chapter
- Built houses for low income families in greater Youngstown area
- Developed and implemented fundraising ideas to support chapter

Roots and Shoots

- Volunteered with local environmental groups to promote a greener way of living

STEM Leadership Society

- Networked with others in related fields and discover scientific opportunities in local area

Tau Beta Pi

- Engineering honor society

Upward Bound

- Math and science tutor

Youngstown Women's Rugby Club