

# SAMANTHA W. GERTH

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22 Fred Court  
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## OBJECTIVE

To obtain a full-time position related to the field of Chemical Engineering

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## EDUCATION

**Rose-Hulman Institute of Technology** **Terre Haute, IN**  
*Bachelor of Science, Chemical Engineering* *May 2016*  
Status: Senior 3.92/4.00 GPA

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## SKILLS

- Strong communication, leadership, and organizational skills
- Proficient with Aspen Plus
- Experience with interpreting PFDs and P&IDs
- Proficient in Excel VBA programming
- Experience with the development of test methods and test protocols
- Experience with NHT and CCR Platforming units
- Familiar with Six Sigma and 5S
- Familiar with MatLab

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## INTERNSHIP EXPERIENCE

**UOP, A Honeywell Company** **Des Plaines, IL**  
*Undergraduate Engineering Intern* *Summer 2015*

- Performed troubleshooting procedures related to the OpAware mass balance of customers' NHT and CCR Platforming units
- Completed data and statistical analyses necessary for the creation of an event detection rule related to Parex units
- Conducted testing allowing for the successful migration of OpAware Analytics' servers and release of OpAware R420

**Boston Scientific** **Spencer, IN**  
*Manufacturing Engineering Intern* *Summer 2014*

- Established and validated test methods for pH measurement and conductivity measurement
- Designed test protocols for the stability of the electropolish solution, cycle limit of the electropolish solution, grinding bit and saw blade expiry, and rinse bath contamination
- Executed stability testing of the electropolish solution and testing of the sandblast length of core wires

**Boral Bricks, Inc.** **Terre Haute, IN**  
*Chemical Engineering Intern* *Summer 2013*

- Created a software program capable of tracking the inventory and reorder status of raw materials
- Developed numerical tolerances for a colorimeter to better determine the color of bricks produced

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## WORK EXPERIENCE

**Rose-Hulman Institute of Technology** **Terre Haute, IN**  
*Department of Chemical Engineering Grader* *2014 – 2015*

- Responsible for grading homework assignments in Thermodynamics I and Multicomponent Thermodynamics

**Rose-Hulman Institute of Technology** **Terre Haute, IN**  
*Sophomore Advisor* *2013 – 2014*

- Member of the Student Affairs staff that communicated to and mentored incoming freshmen students
- Acted as a resource person and positive role model

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## HONORS

- Tau Beta Pi, The Engineering Honor Society Inducted Winter 2015
- Blue Key Honor Society Inducted Spring 2014
- Omega Chi Epsilon National Honor Society for Chemical Engineering Inducted Spring 2014
- Dean's List

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## ACTIVITIES

- TBII, The Engineering Honor Society (Member) 2015 – Present
- Study abroad program in Turkey Summer 2015
- Blue Key Honor Society (Member and Special Events Co-chair) 2014 – Present
- ΩXE National Honor Society for Chemical Engineering (Member) 2014 – Present
- Career Fair team (Member) 2014 – Present
- Concert band (Member) 2012 – Present