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# John Theman

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**Current Address:**  
2125 Jony  
Fredricksville, IN 42999  
(812)-943-9292

**Campus Address:**  
5500 Wabash Ave  
Terre Haute, IN 47803  
CM1293

**Objective:** To receive an internship in the field of Chemical Engineering

**Education:** **Bachelor of Science, Chemical Engineering**, May 2017  
*Rose-Hulman Institute of Technology*, Terre Haute, IN  
**Minor:** Statistics

**GPA 3.55/4.00**

**Related courses:** Thermodynamics, Fluid Mechanics, Material Science, Analytical Chemistry,  
Heat and Mass Transfer, Design of Experiments, Quality Methods

**Skills:** Experienced with HPLC Systems, Excel, Spartan, Aspen +, Six Sigma trained, RStudio, and Minitab 17

**Design/Lab Exp.:** **Chemical Process Project**

- Went through the process of using a syngas to create 160,000 tons of acetic anhydride per year
- Process included 47 streams including but not limited to boilers, coolers, reactors, driers, separators, and absorption columns
- Used academic databases, resources, and texts to gain necessary information for the projects

**Chemical Engineering Lab**

- Worked with a team to design an Experimental Plan for the operation and data collection of a Cogen uScale Filtration unit
- Performed statistical analysis to model the flux as a function of three covariates
- Created memos, written reports, and presented an oral presentation of our findings at the end of the class

**High Performance Liquid Chromatography**

- Utilized a HPLC system to separate caffeine and aspirin in tablet of a store bought aspirin
- Created calibration curves in order to use peak area as a way to determine the amount of aspirin and caffeine in the tablet
- Analyzed output from machine to determine the number of moles of each component

**Standardization of Sodium Hydroxide**

- Applied principals of titration , acid base equilibria, and standardization
- Found molarity of sodium hydroxide accurate to the fourth decimal
- Used the standardization process to find acidity of a monoprotic weak acid

**Work Exp.:**

**Tom Stinnett Derby City RV** Clarksville, IN 6/1/2015-9/1/2015

- Served as independent technician replacing roofs, floors, and other repairs to damaged RVs
- Worked in body shop laying fiberglass, mudding, sanding, preparing surfaces for paint, and repairing compartments using FCA welder
- Implemented repairs and improvements to building and grounds such as cleaning industrial air conditioners, painting walls, organizing parts room, and installing a chain fence around perimeter of property

**Rose-Hulman Homework Hotline** Terre Haute, IN 9/14/2012-Present

- Guided students through their homework problems
- Listened to student's problems and assessed the appropriate course of action for the student to effectively learn their curriculum

**Extra-Curricular:** Alpha Chi Sigma Professional Chemical Fraternity – *Rush Chair*  
American Institute of Chemical Engineers, AIChE National Member

**Community Service:** Fundraiser of the Polar Bear Plunge  
Building bear dens for a local exotic animal rescue center

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