

AKHIL S. PATEL

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OBJECTIVE	To obtain a full-time position in the field of chemical engineering		
EDUCATION	Cornell University: College of Engineering, Class of 2014 Bachelor of Science: Chemical Engineering Minor: Applied Economics and Management Cumulative GPA: 3.93		
HONORS	College of Engineering Dean’s List all semesters, Tau Beta Pi Member, Beta Foundation Merit Scholarship 2012		
WORK EXPERIENCE	Process Engineer Intern	May 2013 – August 2013	
	<i>Phillips 66</i> , Bayway Refinery, NJ		
	<ul style="list-style-type: none">• Diagnosed the causes of sub-design air cooler performance using operations data and modeling conducted in HYSYS and HTRI and evaluated possible options to increase performance to save the refinery \$900,000/year• Designed an orifice blowback system to measure flow rates of a slurry service• Implemented a new control scheme to use steam condensate as makeup water to an MEA system• Attended daily refinery operations meetings and reported results to Business Team Leader• Presented on project deliverables and summer accomplishments to the Refinery Leadership Team		
	Research Intern	June 2012 – July 2012	
	<i>Atlantic Bridge Ventures</i> , London, UK		
	<ul style="list-style-type: none">• Researched companies in the online advertising and augmented reality spaces• Collected and sorted financial data, patents, & management experience for professionals to analyze companies’ investment potential		
OTHER EXPERIENCE	Summer Scholar	May 2011 – July 2011	
	<i>Cornell University’s Applied Economics and Management Certificate Program</i> , Ithaca, NY		
	<ul style="list-style-type: none">• Completed coursework in the areas of business management, finance, and marketing• Participated in workshops on team building, leadership, effective communication, and presentation skills		
	ChemE Car Project Team	August 2010 – May 2011	
	<i>Stopping Mechanism Subteam Member</i> , Ithaca, NY		
	<ul style="list-style-type: none">• Contributed to the design of a small-scale automobile that operated by chemical means• Implemented the stopping mechanism and worked on a design powered by a Stirling engine• Team won 1st place at Nationals in Salt Lake City, Utah in November 2010		
ACTIVITIES	Vice President	January 2013 – Present	
	<i>Beta Theta Pi Fraternity</i> , Cornell University		
	<ul style="list-style-type: none">• Manage the Cabinet and Brotherhood Committees and lead weekly meetings for each committee• Supervised the chapter’s first ever annual philanthropic event Betas in Bowties in February 2013 that resulted in a \$1000 donation to St. Jude Children’s Research Hospital• Led the Fraternity to its second John Reily Knox Award, the highest honor a chapter can receive from the General Fraternity, at the 174th General Convention		
	Treasurer, K-Family Relations Chair	April 2011 – April 2013	
	<i>Cornell Circle K (Kiwanis)</i> , Cornell University		
	<ul style="list-style-type: none">• Developed a budget for the academic year and obtained funding from Cornell• Led a membership drive resulting in an increase in membership by roughly 33%• Planned and executed several fundraisers		
	Philanthropy Chair, Interfraternity Council Rep., Pledge Class President	March 2010 – May 2012	
	<i>Beta Theta Pi Fraternity</i> , Cornell University		
	<ul style="list-style-type: none">• Planned and executed service projects and philanthropy events including bake sales that raised over \$500 for St. Jude Children’s Research Hospital and a smoothie stand that raised over \$250 for Relay for Life• Achieved an average of 45 hours of service/brother, far exceeding our 20 hours/brother expectation• Established and led a philanthropy committee to facilitate brainstorming and event execution		
SKILLS	Proficient in Aspen HYSYS, HTRI Xace, Matlab, Mathematica, Excel, and Power Point		