

Objective	To obtain a full-time engineering position.				
Education	Missouri University of Science & Technology			Dec 2020	
	B.S. Chemical Engineering			GPA: 3.8/4.0	
	Minor: Chemistry				
	Publications:				
	<ul style="list-style-type: none"> Aminosilane-grafted bismuth-alumina adsorbents: Role of amine loading and bismuth content in iodine immobilization from aqueous solutions (Published Dec. 2020) Adsorption of iodine from aqueous solutions by aminosilane-grafted mesoporous alumina (Published Feb. 2021) 				
Experience	Cargill Protein-Beef Packing Plant			Schuyler, NE	
	Engineering Associate			Jan 2021-Present	
	<ul style="list-style-type: none"> Investigated CO₂ emissions from biogas system and designing recapture system Organized scheduling for plant wide ammonia pump-down, decon, and maintenance work Assisted and oversaw project development including small to large scale capital project Designed modernization updates to reduce maintenance and labor costs Worked with vendors to implement, collect data, run, and refine machine learning based vision system 				
	Northrop Grumman-Lake City Army Ammunition Plant			Independence, MO	
	Process Engineer Intern			May-Aug 2019	
	<ul style="list-style-type: none"> Designed incendiary salt production process for Department of Defense Created cost analysis of future full-scale production of incendiary salts Advised management on improvements to quality control and cost efficiency Revised standard operating procedures to improve safety and efficiency Implemented filtration pipe system to improve quality and ensure safety 				
	Simply Soap Co.			Rolla, MO	
	Head of Research and Development			Mar 2020-Present	
	<ul style="list-style-type: none"> Studied the effect of a changing pH environment of lye-based soap on aldehyde and ester-based scents Performed adsorption testing to hold scents throughout the saponification process Researched and targeted specific fatty acids to develop specific traits within a soap bar Managed company development and user product testing for the company owner Note: This is a local company still in the development phase. 				
	Missouri S&T Chemical Engineer Department			Rolla, MO	
	Undergraduate Research Assistant (see publications above)			Sep 2019-Jan 2020	
	<ul style="list-style-type: none"> Conducted analysis and testing on effective capture of iodine in relation to radionuclide iodine Studied the effects of porous materials regarding proper waste stream scrubbing 				
	Missouri S&T National Society of Leadership and Success			Rolla, MO	
	Vice President			Sep 2018-Aug 2019	
	<ul style="list-style-type: none"> Supervised and organized council members Held team members accountable for completing respective duties 				
	Fakeri Woodworking Co.			Rolla, MO	
	Self Employed Owner and Operator			Nov 2018-Present	
	<ul style="list-style-type: none"> Ensured excellent quality according to customer specification Divided time between business, academic, and professional responsibilities Managed financial records and transactions Maintained a safe work environment 				
	Philly Time Restaurant			Kansas City, MO	
	General Employee			Oct 2014-Mar 2016	
	<ul style="list-style-type: none"> Enhanced skills working with a diversity of people Interacted with customers to determine needs and resolve conflict 				
Computer Skills	Aspen Plus	Polymath	Loop-Pro	R (R-Studio)	
	Microsoft Office Suite	Visual Basic	Python	C++	AutoCAD
Honors & Activities	Grice-Strunk Scholarship		Rolla Rural Fire Department-Volunteer		
	American Institute of Chemical Engineers		Omega Chi Epsilon - Chemical Engineering Honor Society		
	Engineers without Borders				