Plenty of white space. CV is not cramped.

Author was looking for fellowhsips, so engineering experience is highlighted early.

Describes concrete outcomes and impacts of contributions in previous positions.

CONTACT INFORMATION	Office: Mobile: E-mail: www: www:	MIT 77 Massachusetts Avenue Building 66- Cambridge, MA 02139 USA		
EDUCATION &	Massachusetts Institute of Technology (Dual Ph.D./MSCEP Program)			
CREDENTIALS	 Ph.D., Chemical Engineering, Thesis Title: Advisors: Current GPA: /5.0 	Expected Graduation: 2		
	 MSCEP, David H. Koch School of Chemical En Station 1: Emirates Global Aluminium Station 2: United States Food and Drug Adn GPA: /5.0 	ngineering Practice, June 2 ninistration		
	University of	May 2		
	 GPA: 14.000 Minor: Computer Science Honors Degree with Distinction Thesis Title: Molect Advisor: Professor Magna Cum Laude Alpha Lambda Delta President Engineers Without Borders Project Manager 	cular Characterization and Growth Rates		
Engineering Experience	Doctoral Candidate Groups, Massachusetts Ins	January 2015 to Pre		
	Selective Electrochemical Hydrogenation of Reductive Catalytic Fractionation Products			
	 Perform kinetic studies of electrochemical hydrogenation rates on different electrode surfac Optimize catalyst chemistry and structure for achieving high conversions and selectivities Synthesize catalyst nanoparticles for inclusion into electrode material 			
	Techno-Economic Analysis of Electrolytic Cells	for Biomass Upgrading		
	 Predict the selling price of commodity aromatic chemicals from electrolytic processing Understand design criteria for new electrolytic cells in organic processing Directly compare the economic costs of high temperature processing vs. electrolytic processing 			
	Graduate Consultant Food and Drug Administration	October 2015 to March 2		
	Custom gSOLIDS Module Permitting Residence Time Distributions			
	 Developed mathematical package in gPROMS language that allowed solid processing with operations represented by RTDs Developed C++ plugins for gPROMS language that allowed RTD manipulations Developed MATLAB GUI for users to import and fit experimental residence time distribution Extensions allowed users to simply model complicated solids processes in gSOLIDS softw 			
	Engineering Study of Perfusion Culture of CHO Cells - Project Lead			
	 Directly compared perfusion, fed-batch, and batch cultures of CHO Cells Constructed model for cell growth and production and estimated parameters from data Provided preliminary designs for control systems to allow automated operation 			

		Operational Optimizations in Heat Recovery Steam Gener	ration Units	
	 Developed detailed process simulation of EGA Jebel Ali power plant in AspenPlus software Proposed methods for optimizing plant operations for waste heat recovery Evaluated feasibility of various operational and capital-intensive changes 			
		Understanding Aluminum Billet Discoloration - Project L	ead	
Important words, such as		 Developed method to remove cosmetic discoloration f Analyzed discolored billets' microstructure using SEN Proposed possible changes that could be causing disco 	from aluminum billets <i>A</i> -EDS and AFM ploration in the billets	
potisition titles, are in bold.		Undergraduate Research Assistant Catalysis Center for Energy Innovation, University of	June 2011 to May 2014	
		Molecular Characterization and	Growth Rates	
	 Investigated structural changes that occur during humin formation via FTIR, NMR, and SEM Measured particle growth kinetics using dynamic light scattering Investigated effects of temperature and pH changes on humin growth rates 			
	Optimization of Biphasic Reaction Conditions for Sugar Processing			
	 Studied partition coefficients of sugar derived chemicals in aqueous/organic systems Investigated the effects of additional components on equilibrium behavior (i.e. salting out) 			
		Project Manager Engineers Without Borders University of Student	March 2011 to May 2014 nt Chapter	
Quantified and concrete	 <i>Cameroon Potable Water Project</i> Led team of students in finalizing designs for water project servicing community of 3000 Prepared reports and presentations for review by national EWB organization review Finalized implementation of system with team of 3 other students Prepared operating and troubleshooting manual for full system to pass on to community 			
impacts are shared.				
		Intern	May 2012 to August 2012	
		Air Products and Chemicals, Inc.	May 2012 to August 2012	
		Design of Gas Client Database for Data Analytics		
		 Worked with marketing team to develop database of cl Developed scripts to quickly analyze and query database 	lients using a variety of products ase to allow for marketing optimization	
	TEACHING & Mentoring	Research Advisor and Mentor Massachusetts Institute of Technology	September 2015 to Present	
	Experience	• Train and supervise undergraduate students in laboratory research activities		
		Project Manager Engineers Without Borders University of Student	March 2011 to May 2014 nt Chapter	
		Mentored new project manager for upcoming projectsAssisted students throughout the chapter in technical writing and designs		
	Community Leadership	President Alpha Lambda Delta Honors Society, University of	January 2012 - December 2012	
	Research Awards	National Science Foundation Graduate Research Fellowsh	nip 2014	
	Academic Awards	T. W. Fraser Russell Undergraduate Enrichment Award University of General Honors Award University of Chemical Engineering Industrial S	May 2013 November 2012 Sponsors Scholarship May 2011	

Emirates Global Aluminium

Consistent formatting makes the CV easier to skim and find important information.

CV is between 2 and 3 pages in length.

LANGUAGES	English Spanish		Native Proficiency Limited Working Proficiency	
Skills & Courses	Engineering & Chemistry Kinetics, Thermodynamics, 7 sis, Organic Chemistry, Inorg	Fransport Phenomena, Catalysis, Ele anic Chemistry	ectrochemistry, Uncertainty Analy-	
	Computational Numerical Methods, AI, Parallel Computing, Data Structures, Software Engineering			
	<i>Modeling & Numerical</i> Python, MATLAB, Java, VBA, C++, gPROMS, Mathematica, Maple			
	Other Computer Linux, Unix, LATEX, HTML, €	Origin		
	<i>Systems</i> Electrolyzers, HPLC, GC, Pa	cked-bed Reactors, Batch Reactors		
	Materials Characterization XRD, SEM, TEM, STEM, E	DS, FTIR, UV/vis, Raman, NMR		
	Other Laboratory HPLC, GC, DLS, KF titration	n, Safety		
Professional Memberships	 American Chemical Society American Institute of Chemical	cal Engineers		
Academic Memberships	The Order of the EngineerAlpha Lambda DeltaTau Beta Pi			
Journal Articles	2016.		Green Chem., pages ,	
Posters	[2], <i>Meeting</i> , 2013.	In AIChE S	Student Conference at the National	
	[3], for Energy Innovation Sympo	osium, 2014.	. In Catalysis Center	
		All rights to original docur	nent reserved by the author.	
		3 of 3		