Devan E. Kestel  
devan.kestel@gmail.com  
617.233.2629  
  
If I had one of these worked up, it would be a paragraph telling you about me. It would also contain some objective statement garbage. I'm going to keep typing things to make this feel more like a paragraph in terms of length. Yes, I will always be too lazy to go grab some lorem ipsum when I need it. There, I think we are about at the right length.

• Github: http://www.github.com/devankestel  
 • Twitter: http://www.twitter.com/devankestel  
 • Tumblr: http://devankestel.tumblr.com

The Iron Yard  
Rails Engineering  
August 2015

University of Notre Dame du Lac  
M.S. in Chemical and Biomolecular Engineering  
May 2010  
  
Thermodynamic Research of Ionic Liquids Group (ThRILs)
Adviser: Dr. Joan Brennecke

Massachusetts Institute of Technology  
B.S. in Chemical Engineering, minor in Spanish  
June 2007  
  
All chemical engineering courses relied heavily upon MATLAB and data science principles. Other relevant course: Intro to Python.

Dupont Performance Coatings (Now Axalta Coatings Systems)  
Senior Chemical Engineer  
February 2011 - April 2015  
  
  
  
• Product formulation, optimization, and technical support of solventborne and waterborne automotive coatings for General Motors accounts with revenue exceeding $30MM annually.  
• Optimized, commercialized, and launched a two­-component, polyurethane clearcoat system which delivered $800M revenue growth in 2012.  
• Developed new rheology test method with optimized shear profile, reducing error in measurement by 50%, for non­-Newtonian solventborne paint systems.  
• Technical lead for innovative spray process and paint technology conversion program which minimized assembly line downtime by 50% over conventional conversion.  
• Provided support to Arlington Assembly, GM's most profitable manufacturing site, via new color development, formulation adjustments, and troubleshooting line issues (2011-2013). Currently provide support to Bowling Green Assembly, home of the Corvette.  
• In addition to research and development, interface with manufacturing, quality assurance, sales and marketing, product stewardship, and field account teams on a daily basis.  
• Work in a high­pressured, multi­tasking environment with constantly changing priorities and frequently required to make "on the spot" decisions that directly impact manufacturing at both Axalta and GM sites.  
• Align formulas, manufacturing procedures, and product design specifications for manufacturing scale­-up.  
• Serve on site team of internal quality auditors. Audit 6 areas per year against ISO:9001 and TS­16949 standards. Interview exempt and non­exempt employees across all shifts.

University of Notre Dame du Lac  
Graduate Research Assistant  
October 2007 - March 2010  
  
  
  
• Thermophysical property measurement and estimation of ionic liquid systems for use as environmentally benign working fluids for carbon dioxide capture.  
• Worked in a hybrid experimental and computational team to rapidly screen and characterize candidate ionic liquids for process optima including: relative volatility and solubility, hydrophobicity, corrosivity, toxicity, reaction and absorption enthalpies, and others properties relevant to process scale­up.  
• Gravimetric measurement of binary vapor­-liquid equilibrium curves of ionic liquids with components in flue gas (e.g. CO2, CH4, H2O) as well as N2O.  
• Analyzed and calculated hysteresis, infinite dilution activity coefficients, Henry's Law constants, and deconvolution of physical CO2 solubility from chemical CO2 reaction in amine­-functionalized ionic liquid systems.  
• Supervised design and construction of ionic liquid absorber/ stripper unit.  
• Proficient with both high and low pressure systems.

Alltech, Inc.  
Chemical Engineering Intern  
June 2004 - August 2006  
  
  
  
• Product development, process design, and pilot plant management for Optigen, a controlled­-release, non­protein nitrogen supplement for dairy cattle which is now commercialized.  
• Facilitated formulation of controlled­-release coating.  
• Authored process flow diagrams. Collaborated on design of specialized fluidized bed dryer. Designated process instrumentation for final scale­up.  
• Supervised 3­-4 production workers per shift in pilot plant operations.  
• Designed and formulated a novel filtration system capable of 100% toxin removal from contaminated liquids.  
• Bottled beer (KY Ale, KY Light, KY Bourbon Barrel Ale) at company microbrewery.

• Ruby, Rails, JS, HTML5, CSS3, MATLAB, C++, Python  
• Here is where I talk about all the fancy Codeschool courses I took and badges I earned. In paragraph format. So this has to be long like sentences and stuff. There you go.  
• Certified Beer Server, RABSQA Lead Internal Quality Auditor, Six Sigma Greenbelt  
• Here is where I blather about my fancy study abroad in Madrid that lasted six months where I took lots of courses and did lots of things. Fluency in a foreign language is cool and should count for something.