

Vincent Kuperavage

o Process Engineer - DuPont

Philadelphia, PA - Email me on Indeed: indeed.com/r/Vincent-Kuperavage/2072ba6fe7153722

- A full-time position in a dynamic and challenging work environment.

WORK EXPERIENCE

Process Engineer

DuPont - Wilmington, DE - June 2011 to Present

- o Process Development: Supported the licensing effort of a proprietary hydrotreating technology to petroleum refineries. Developmental work included in analyzing customer feedstocks, optimizing catalyst selection and operating conditions, analyzing kinetic data, and supporting the ongoing improvement of the technology.
- o Project Management: Managed the construction of a diesel fuel hydrotreating R&D pilot plant budgeted at \$500,000. The project included budgeting, creating P&IDs and electrical diagrams, documenting the DCS functionality, assisting with PSM documentation, and managing the construction and start-up of the unit.
- o Process Engineer: Assisted in the operation of the hydrotreating pilot plants. Typical work included importing sample feeds, scheduling runs, completing MOCs, writing SOPs, troubleshooting of the pilot plant, scheduling maintenance for the pilot plant and analytical equipment, and start-up of new equipment,
- o Controls Engineer: Managed the DCS for the hydrotreating pilot plants comprised of an Allen-Bradley CompactLogix Controller, FlexLogix Controller, RSLogix5000, and Rockwell Automation FactoryTalk Suite.
- o Safety Contact: Acted as the team's safety contact. Responsibilities included acting as a safety mentor, managing safety audit documentation, resolving safety action items, and ensuring PSM documentation was up-to-date.

ExxonMobil Summer Internship

Polyolefins Plant - Baton Rouge, LA - June 2010 to August 2010

- o Process Engineer: Worked on various assignments for a 100,000 lb/hr polypropylene production line including optimization of a distillation column, simulation of a high-pressure separator, creating automated process alarms, and researching, sizing, and replacing problematic equipment. Also completed a statistical analysis on increasing railcar payload targets yielding a \$100,000/yr savings.

EXCEL Research

Excel Research Program, Lafayette College - Easton, PA - March 2010 to May 2010

- o Computer Modeling: Wrote Visual Basic computer code to solve VLE systems to compare theoretical models to a database of experimental data points.

ExxonMobil Summer Internship

Downstream Headquarters - Fairfax, VA - June 2009 to August 2009

- o Commercial Analyst: Performed a constraint analysis of very large crude carriers loading in the Arabian Gulf for Japan refineries. The analysis identified key areas where significant cost reductions may be achieved.
- o Scheduler: Backfilled for a full-time employee scheduling ships carrying clean products for the Caribbean area with total inventory valuing over \$25,000,000.

o Maintenance Worker

Penn State Schuylkill University - Schuylkill Haven, PA - June 2005 to 2008

Carried out various jobs on the campus at the discretion of a supervisor. Involved handling various vehicles and machines, low-grade carpentry, electrical, plumbing, and janitorial skills.

EDUCATION

Bachelor of Science in Chemical Engineering

Lafayette College - Easton, PA

ADDITIONAL INFORMATION

SKILLS

- Computer Programming
 - o Languages: Python, BASIC, Applescript, VBA, Visual Studio, Fortran
- Computer Software
 - o Programs: MS Office, ChemCAD, Comsol, Aspen Suite, CFDDesign, Pro II, Inventor, Mathematica, HYSYS, Icarus, MiniTab, PolyMath, MATLAB
- Process Control
 - o Hardware/Software: Allen-Bradley Controllers, RSLogix5000, Rockwell Automation FactoryTalk Suite, LabView
- Lab Skills
 - o Instruments/Techniques: GC, NMR, HPLC, X-Ray Fluorescence, Refractometry, Photospectroscopy, UV-VIS, IR, Swagelok Trained, Statistical Analysis, DOE

LEADERSHIP

- Gateway Program, Lafayette College, Easton, PA [...]
 - o Ambassador: Participated in formal presentations of the Gateway Program, assisted in raising student participation in the Gateway, and offered feedback on programs.
- Kappa Delta Rho Fraternity, Lafayette College, PA 2008 - 2009
 - o House Manager: Responsible for the upkeep and maintenance of the fraternity house