

John E. Buonagurio, Jr.

CONTACT INFORMATION	12718 W. Milton Dr. Peoria, Arizona 85383 Tel: (623) 687-7141 jbuonagurio@live.com	
EDUCATION	University of Pittsburgh , Pittsburgh, Pennsylvania <ul style="list-style-type: none">• Bachelor of Science, Industrial Engineering• Minor and Concentration, Petroleum Engineering	<i>August 2006 – May 2010</i>
RESEARCH	Reactor and Process Engineering Laboratory <i>Research Assistant</i> <ul style="list-style-type: none">• Developed and validated a fluid dynamics model for measuring gas holdup in a laboratory-scale bubble column reactor, using the commercial CFD code ANSYS FLUENT.• Developed process design for laboratory-scale Fischer-Tropsch synthesis.	<i>August 2009 – May 2010</i>
	Shankar Research Group <i>Research Assistant</i> <ul style="list-style-type: none">• Designed, analyzed and fabricated steel die for the manufacture of structural nanomaterials by severe plastic deformation, using commercial FEA code LS-DYNA.	<i>August 2009 – December 2009</i>
PROFESSIONAL EXPERIENCE	FedEx Ground , Pittsburgh, Pennsylvania <i>Contract Industrial Engineer</i> <ul style="list-style-type: none">• Worked with a University of Pittsburgh team to develop a statistical model and geodatabase for allocating recruiters at FedEx Ground facilities, based on workload drivers and available resources.	<i>January 2010 – May 2010</i>
	Volt Information Sciences , Pittsburgh, Pennsylvania <i>Microsoft Student Partner</i> <ul style="list-style-type: none">• Held technical presentations and assisted with projects using Microsoft developer technologies for students at the University of Pittsburgh and Carnegie Mellon University.• Assisted with MSDN software licensing for academic use.	<i>August 2008 – August 2009</i>
	Desert Canyon Medical Associates , Goodyear, Arizona <i>Consultant</i> <ul style="list-style-type: none">• Independently designed, deployed and maintained a SharePoint Services system for scheduling, collaboration and general operations management.• The system is currently in use by a group of ten anesthesiologists.	<i>May 2008 – August 2008</i>
TECHNICAL SKILLS	<ul style="list-style-type: none">• Software: ANSYS, ArcGIS, Aspen Plus, AutoCAD, COMSOL, CPLEX, GMS, MATLAB, Microstation, Rockwell Arena, SAS, SolidWorks, UTCHEM• Programming: C# (ASP.NET), FORTRAN, PL/SQL, Python, Transact-SQL	
RELATED COURSEWORK	Database Design, Deterministic Methods in Operations Research, Engineering Management, Probabilistic Methods in Operations Research, Probability and Statistics, Production and Drilling Engineering, Reservoir Engineering, Statics, Supply Chain Analysis, Waterflooding	
SOCIETIES	IIE, INFORMS, SPE	