

Paul Johnson

- Objective** To obtain a managerial position in an organization seeking an individual who is motivated, results-driven, and has high mechanical aptitude
- Education** **University of Florida**, Gainesville, FL
Masters of Science, Mechanical Engineering, December 2005
- Manhattan College**, Riverdale, NY
Bachelor of Science, Mechanical Engineering, May 2002
Cumulative GPA: 3.648
- Related Courses**
- Machine Design
 - Wear of Materials
 - Manufacturing Processes
 - Computational Methods in Design and Manufacturing
 - Engineering Economics
 - Failure Mechanics
 - Experimental Stress Analysis
 - Finite Element Analysis
 - HVAC Systems Analysis
- Honors**
- Tau Beta Pi
 - Epsilon Sigma Pi
 - Pi Tau Sigma
 - Deans List, Manhattan College – all semesters
 - Passed Fundamentals of Engineering exam, will work toward P.E. license**
- Professional Experience**
- Research Assistant**
Lennox Industries, Gainesville, FL, 2004 - Present
- Designed and implemented an automated air knife system that decreased product cost by 4% and decreased time for particular step in production by 75%
 - Researched and developed electrostatic air purifiers
 - Managed 5S – organization and upkeep of efficient production workstations
 - Familiar with lean manufacturing, Kaizen methodology, and Six Sigma
- Teaching Assistant**
University of Florida, Gainesville, FL, 2002 - 2004
- Instructed two sections of Computer Aided Design with SDRC IDEAS 9 for undergraduate students
 - Tutored, managed class website, and corrected homework for Dynamics and Thermodynamics
- Mathematical Assistant**
Rome Research Site, Rome, NY, 1999 - 2002
- Designed and analyzed structures to secure various fixed and rotary winged military aircraft atop pivoting towers
 - Black Hawk helicopter, C-130 Hercules, Apache helicopter, C-12 airplane
 - Optimized the design of the Air Force's prototype DataWall
 - Investigated the wing deflection of a ¼ scale fiberglass model of the Global Hawk reconnaissance plane and created a Microsoft Excel template that analytically predicts wing deflection for any position
 - Worked on a team to design a web-site related to computer security
- Computer Skills**
- Solid Works / COSMOSWorks
 - ProEngineer Wildfire
 - Ideas 9
 - AutoCAD
 - MathCAD
 - Matlab
 - CalculiX FEA
 - Solid Edge
 - MINITAB statistical software
 - Visual Basic
 - NISA FEA
 - Microsoft Word, Excel, Access, PowerPoint
 - Proficient in UNIX, Linux, and Windows operating systems: networking, administration, and setup
- Activities**
- President of Manhattan College chapter of American Society of Mechanical Engineers
 - President of Manhattan College chapter of Society of Automotive Engineers
 - President of Manhattan College chapter of Pi Tau Sigma
 - Co-Chairman of Manhattan College Student Advisory Committee for A.B.E.T.
 - Member of Manhattan College rugby team
 - Member of Team Florida cycling team and Tennis Club at the University of Florida