Name

Address
e-mail / phone number

Summary

(Try to make this a high impact summary portraying you as an engineer who can lead projects)

Over ten years of Industrial Engineering experience with the US Air Force that includes analyzing process flow using computer-aided process mapping, building discrete event simulation/activity-based costing models, and developing labor standards for numerous functions. Over nine additional years in USAF responsible for the preventive maintenance of critical aircrew life support equipment. Adjunct professor teaching undergraduate courses in statistical process control (SPC), quality and maintenance management. Served 12 years in the US Air Force from 1996 to 2008

(This sample is designed to highlight two of your most relevant engineering areas of experience targeted for a specific opportunity. The areas can be structured with bullets, like below, or with an opening consisting of a few sentences followed by bullets. The goal is to keep the resume to one-page)

Industrial Engineering/Productivity

- Project manager for development of process maps for 16 different information technology functions encompassing 18K resources valued at $1billion annually; identified excess positions saving $1M annually
- Designed/taught 3-day course in activity-based costing/computer-aided process mapping; trained 700+ students; trained 120 management engineers in time study, work sampling, SPC, and data analysis; taught SPC, Quality Management at undergraduate level for Industrial Technology
- Built multiple discrete event simulation models in three clinics in largest USAF hospital (Primary Care/Internal Medicine/Obstetrics)--saved $100K annually; increased patient throughput; and reduced patient complaints to Congress from weekly to less than one per quarter
- Lead facilitator--explored integrating USAF supply chain; recommended merger of Supply and Transportation functions covering 30K billets; began merger (2003) improving efficiency & effectiveness
- Sized increased manpower needs for information technology functions resulting from Sept 11th attacks; identified 800+ critical positions with a cost avoidance of $75M annually from original estimates
- Guided model development to size Human Resource function--netted savings of $350K annually

Maintenance

- Conducted study in aircraft maintenance facility identifying production routings for 2K parts; facilitated workers to discover source and removal of problem creating bottleneck in maintenance operations
- Nine years experience responsible for repair and scheduling of preventive maintenance of aircrew life support equipment aboard variety of USAF aircraft; managed 1 to 8 maintenance technicians
- Handpicked to introduce fledgling program for repair and preventive maintenance of Night Vision Goggles at base level; taught maintenance management at undergraduate level for Industrial Technology program

Education

MBA - MIT, emphasis in operations management***,*** 2004
BS, Industrial Engineering - US Air Force Academy, graduated cum laude, 1996

Skills *(bring out your software experience here)*

- Expert using AI0WIN® process mapping software; skilled in ProModel's MedModel® simulation software
- Highly skilled in MS Word®, PowerPoint®, and Excel®; proficient in MS Access®

Publications/Papers

"Using the Integrated Definition Language for Functional Modeling in Air Force Work Methods Improvement." Proceeding from the 1998 Air Force Quality Symposium. USAF, Oct 1998, w/Mr. Gerry Brown

"Using SPC to Enhance ABC." Industrial Management. Institute of Industrial Engineers, Syracuse, NY, Nov 2003, Co-authored w Drs. Harmon Grant and Melissa Hechinger

Certifications and Affiliations

- **Six Sigma Green Belt** (Institute of Industrial Engineers) 2003; **Senior Member,** Institute of Industrial Engineers, member since 1993; **Maynard Operations Sequencing Technique (MOST)**, HB Maynard, 2004