
AIRPORT DESIGN ENGINEER RESUME

Summary:

Has excellent planning and layout skills conveying airports and landing fields; wide knowledge in directing construction work involved in leveling fields, layout runways, and providing very efficient drainage; can manage to meet with very strict deadlines and plan accordingly with the requirements of the contractor; ensures that highest quality of conformity of the specifications are met

Professional Experience:

Airport Master Planning and Development January 2007 – present
Lufthansa Airlines, San Diego, CA

Responsibilities:

- Directed in surveying to lay out installations and establish reference guide construction.
- Observed regularly the progress of construction to ensure workmanship is in conformity with specifications.
- Provided a development plan for new runway and guidelines for hangar development.
- Working as part of a major committee to develop a standard specification for design surveys to the layout of runaway crossings.

Airport Geographical Information System May 2004– January 2007
Northwest Airlines, Chicago, IL

Responsibilities:

- Used GIS for the design and layout of 4 new runways for St. Charles International Airport.
- Conducted research into the probabilities of aircraft crash potential near commercial airfield.
- Designed runways based on weight and size of aircraft and prepares material and construction specifications.
- Knowledgeable in the use of GIS for noise monitoring systems at airports and integrating airport traffic radar data into management analysis.
- Developed and wrote research report on the concept of reducing costs in building airports.
- Highly knowledgeable in obstruction analysis and pilot operations.

Environmental Planning Consultant February 1999 – May 2004
Northwest Airlines, Chicago, IL

Responsibilities:

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Airport Geographical Information System May 2004– January 2007
Northwest Airlines, Chicago, IL

Education:

Ph.D., Air Transportation Engineering, University of Texas, TX, 1999
M.S. in Civil Engineering, U.S. Air Force Academy, 1993
B.S. Civil Engineering, U.S. Air Force Academy, 1991

Skills/Certifications:

- Skilled in the operational functions and design
 - Excellent interpersonal and communication skills
 - Excellent knowledge in drafting, architecture and design
 - Highly organized and detail -orientated
 - Knowledge of Microsoft Office suite, Word, Excel, Outlook, CAD, Adobe, Corel, Dreamweaver
 - Excellent team coaching performance
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Associations/Organizations:

Air Force Engineering Services Center, Meritorious Achievement Award, 2000
Transportation Research Board Committee, Officer
American Association of Airport Executives Subcommittee on Airport Geographic Information Systems, Chairman
FAA Airport Pavement Working Group, Member
American Society of Civil Engineers, Member

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