
AERONAUTICAL ENGINEER RESUME

Objective:

Seeking the position of Aeronautical Engineer in a highly technical organization where my skills will be fully maximized and recognized in meeting the company's vision and mission. My PhD in the field will be a great contribution in meeting the company's goals and objectives.

Education:

Ph.D. Theoretical and Applied Mechanics, 2003
Stanford University

M.S. Aerospace Engineering, 1999
Stanford University

B. S. Tech Aeronautical Engineering, 1994
Stanford University

Skills:

- Skilled in two-phase flow modeling and measurements
- Nanofluids Heat Transfer
- Molecular Dynamics and Lattice-Boltzmann method
- Micro channel flows, Natural and Mixed Convection heat transfer and Turbulence.
- Operating Systems: Windows/Unix
- Programming Languages: HTML/C
- Applications: Word / CAD / Matlab (Simulink) / Alpha 5

Sr. Aeronautical Engineer, 2008-present
Halfords Group Plc, North Cleveland, TX

Responsibilities:

- Developed multi-field codes in calculating flow topology.
- Calculated and quantified time-resolved behavior of microbubbles and coalescing transition.
- Analyzed the angular vapor flow.
- Participated in the fabrication of Two-phase flow optical measurements (laser Doppler Velocimetry, Particle Imaging Velocimetry).
- Jr. Aeronautical Engineer, 2002-2008
- Halliburton Company, North Cleveland, TX

Responsibilities:

- Performed hot film and conductivity measurements.
- Developed vision, long-term goals, schedule planning, and developing the Naval Nuclear Propulsion Fellowship.
- Designed and architected mechanistic interfacial wave, force and turbulence models.
- Advisory Space Engineer I, 1999-2002
- Haldex AB, North Cleveland, TX

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- Jr. Aeronautical Engineer, 2002-2008
- Halliburton Company, North Cleveland, TX

Certifications and Affiliations:

Certificate in Heat Transfer in Environmental Systems
Long Range Planning and Development Committee, member

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