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# BIOMECHANICAL ENGINEER RESUME

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## Summary:

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An outstanding engineer that has met the health science challenges by applying engineering mechanics and designs to the fields of biology and medicine; has integrated engineering course work with biology and clinical medicine through research and teaching; has been exposed to neuromuscular, musculoskeletal, cardiovascular, and cell and tissue biomechanics; has the ability to create dynamic experiments of things that move and duplicate human motion in order to analyze biomechanics and the impact of equipment on human performance; has a good understanding of system dynamics and can create control system software that enables the human model to perform task-level behaviors; has employed the involvement of validating these experiments against data to extend the scope of applicability.

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## Professional Experience:

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Principal R&D Engineer January 2007 – Present  
Jannx Medical Systems, Chicago, IL

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## Responsibilities:

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- Updated on new technologies and managed all aspects of product development to guarantee desired results.
- Led and monitored the departmental team for the new product introduction and branding.
- Collaborated with various departments to involve in bring the right products to market.
- Created and launched new test methods, equipment, research and integrated new materials to these processes.
- Trained and oriented the new members of technical staff and formed technical proficiency of staff.
- Approved the designs and material specifications for all product releases.
- Provided deep technical ideas supporting submissions to governmental agencies and regulatory board.

R&D Engineer May 2004 – December 2006  
Proteus Biomedical, Chicago, IL

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## Responsibilities:

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- Created innovative technologies to complex technical problems using creative mechanical design techniques.
- Made use of analytical techniques to create and optimize product designs.
- Conducted general mechanical templates and solid mechanics foundations to direct the creation of products used in the treatment.
- Assisted in the design and development of new test methods, equipment and research to integrate new materials and processes.
- Trained subordinate members of technical staff and organized a competent technical staff.
- Conducted product analysis for competitive matrix and aided in the evaluation of intellectual property rights.

Research Engineer February 1999 – May 2004  
eTech Resources, Chicago, IL

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## Responsibilities:

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R&D Engineer May 2004 – December 2006  
Proteus Biomedical, Chicago, IL

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## Education:

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Masters Degree in Electric Biomechanical Engineering  
University of Iowa, 1999  
Bachelors Degree in Biomechanical Engineering  
University of Iowa, 1994

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## Skills:

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- Uses scientific rules and methods to solve problems
- Good judgment and decision making

- Complex problem solving capability
- Excellent critical thinker and works under pressure
- Excellent quality control analyst
- Excellent leadership and communication skills

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## Awards and Affiliations:

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International Society of Biomechanics, Member  
National Society of Professional Engineers, Member

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