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Terre Haute, IN 47803

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Student Name

Objective

To obtain a full-time position related to the biomedical engineering field

Education

Bachelor of Science Biomedical Engineering, May 2008

Rose-Hulman Institute of Technology, Terre Haute, IN

Senior specializing in biomechanics and biomaterials

3.32 / 4.0 GPA (ABET Accredited)

Qualifications

- *Design experience including:* Assistive technology device for persons with partial paralysis; Redesign of a recently-released breast biopsy device
- *Software experience including:* MatLab, Maple, Minitab, Solid Edge, Working Model, Word, Excel, and PowerPoint
- *Graduate-level biomedical engineering courses including:* Multiscale Biomechanics, Orthopedic Biomechanics, Biomedical Fluid Mechanics, and Tissue Biomaterial Interactions
- *Mechanical engineering courses including:* Mechanics of Materials, Mechanical Systems, Fluid and Thermal Systems, and Analysis and Design of Engineering Systems
- *Numerous group projects and team lab activities:* Enhanced ability to learn new concepts quickly, work well under pressure, and communicate ideas clearly and effectively

Experience

TriMedx LLC, Indianapolis, IN 5/07-8/07

Clinical Engineering Intern

- Developed a multiple failure analysis procedure using the company's existing computerized maintenance management system (CMMS)
- Learned how CMMS packages are used to manage medical equipment and work orders in a company that serves hospitals all across the country
- Provided the company with a means to identify the most reliable manufacturers of various medical devices in order to suggest those vendors to prospective clients

Rose-Hulman Ventures, Terre Haute, IN 5/06-9/06

Biomechanics Intern

- Designed an experiment to test a client company's new car seat technology including: a control simulation without the seat technology, a simulation with the seat technology, the participation of over 150 volunteers, and a run-to-failure test to identify any problems with the car seat's motors
- Organized data collected from piezoelectric pressure sensor mats and analyzed the data in Excel
- Identified trends in the data which provided the client company with enough evidence to present their car seat technology to numerous automobile manufacturers

Pro Golf, Noblesville, IN 6/05-8/05

Sales Associate

- Answered numerous customer questions regarding the latest golf technology
- Custom fit golf clubs to customers' specifications (grip and shaft replacement, loft and lie adjustment, golf swing data analysis)

Honors & Activities

Member of Alpha Lambda Delta honor fraternity
Member of National Honor Society
Member of Mu Alpha Theta math honor society
Volunteer junior golf instructor, Plum Creek C.C.
Captain of varsity golf team in both H.S. and college