

Jane Doe

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Objective: Obtain a full-time position in the Medical Engineering field

Education: Michigan Technological University (MTU) Houghton, MI

B.S. Biomedical Engineering

Emphasis on Electronics/Instrumentation
(Minor: International German)
GPA: 3.5

Expected May 2014

Engineering Skills & Experience

Matlab and C/C++	Micro-controllers	Statics/Dynamics	CAD/CAM/CAE
Circuits & Electronics	Sensors	Materials Science	
Signal Processing	Medical Devices	Fluid Mechanics	
Bioinstrumentation	Engineering Design	Biomaterials	

Exposure to Engineering standards (ISO, ASTM), Quality Systems and FDA guidelines
Understanding of Statistical Methods (JMP SAS)

INTERNSHIP EXPERIENCE

Nitrate Elimination Company Inc.

May – Aug 2012

Quality Control and Manufacturing Intern

- Collected and evaluated data in two stability studies carried out on nitrate and phosphate enzyme test kits
- Independently hand-built test kits for customers
- Translated test kit instructions from English to German
- Conceptualized a wireless, handheld field-use ultraviolet to visible light spectrometer for use in agricultural industry
- Designed humidity-controlled clean-bench to protect specific chemicals from environmental damage

RESEARCH EXPERIENCE:

Research Assistant, (MTU)-Frost Laboratory

Jan 2010 - Current

Project: Nitric Oxide Sensor

Goal: To engineer an easy to create, cost effective and reversible optical nitric oxide sensor

- Fabricated sensors of a heme protein cytochrome-c encapsulated in a sol-gel and silicone rubber of varying thicknesses
- Presented findings at the LifeScience Alley Convention and Expo in Minnesota

SENIOR DESIGN PROJECT

Title: Development of a personal UV-exposure Monitor

Goal: To design, develop, prototype and deploy an individualized monitoring system to quantify cumulative ultraviolet exposure to the skin

LEADERSHIP & ACTIVITIES

Biomedical Engineering Society
Society of Women Engineers (SWE)
Student Advisory Board for Michigan Tech Career Services
LeaderShape Institute Participant

September 2011 – Present
September 2011 – Present
Fall 2012 – Present
January 2011

Previous employment

Employer, Job title,

Dates

Military experience

Branch, rating, special training honorable discharge

Dates

Employment eligibility

(e.g., citizenship, green card)