

Jane Doe

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OBJECTIVE: Obtain an engineering co-op position

EDUCATION: Michigan Technological University (MTU) Houghton, MI

B.S. Biomedical Engineering

Expected May 2016

Emphasis on Mechanics

(Minor: International German)

GPA: 3.6

ENGINEERING SKILLS & EXPERIENCE

Matlab

Statics & Dynamics

CAD/CAM/CAE

Materials Science

Circuits & Instrumentation

Signal Processing

Thermodynamics & Fluid Mechanics

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 2014

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 2012 - 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

LEADERSHIP & ACTIVITIES

Biomedical Engineering Society

September 2011 – Present

Society of Women Engineers (SWE)

September 2011 – Present

Student Advisory Board for Michigan Tech Career Services

Fall 2012 – Present

LeaderShape Institute Participant

January 2011

Previous employment

Employer, Job title,

Dates

Military experience

Branch, rating, special training honorable discharge

Dates

Employment eligibility

(e.g., citizenship, green card)