

Rohan Patnaik

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Objective

A biomedical related internship that will allow me to apply my design, laboratory, and teamwork skills and help me learn about industry practices.

Education

Bachelor of Science, Biomedical Engineering

Expected 2018

University of Wisconsin- Madison, College of Engineering

- Current GPA: 3.74
- Dean's Honor List

Design Experience

Insert MRI Academic Design Project

September 2015-present

UW Hospital- Department of Radiology

- Working in team of five students to modify microwave tumor ablation needle to be functional in MRI setting

Bio-Gas Digester Academic Design Project

January 2015 - May 2015

UW Madison

- Worked in team of 15 students to design and fabricate methane bio-gas fuel source for rural household use

Laboratory Experience

University of Wisconsin- Madison Vascular Tissue Biomechanics Lab

September 2015-present

Madison, WI

- Investigating patterns in pulmonary arterial hypertension by examining vascular histology, hemodynamics, and endocrinology of mice studies

University of Minnesota Veterinary Diagnostics Lab

May 2014 - August 2014

St. Paul, MN

- Performed nucleic acid isolation on animal tissue, tested for pathogens
- Used real-time and reverse-transcriptase PCR methods to amplify DNA/RNA
- Performed gel electrophoresis on DNA/RNA samples

Volunteer Experience

Courage Kenny Rehabilitation Institute

2013-2014

Golden Valley, MN

- Worked with physically disabled young adults in adapted sports programs
- Adapted and adjusted power wheel chairs for athletic activities

Other Experience

- Machine shop training: lathes and mills
- MATLAB and Maple computational software
- Microsoft Office Suite

Clubs/Interests

UW Madison Engineers without Borders, Wisconsin Union Directorate Film Society, Saxophone performance