

Kimaya Gupte

kng29@case.edu

Education

Case Western Reserve University, Cleveland, OH

Bachelor of Science in Biomedical Engineering

Graduation: May 2017

Awards and Activities: Dean's High Honors List (2013-2014), University Scholarship Recipient, CCEL Scholar, CCEL Serves Leader for the Cleveland Foodbank, Member of the National Society of Collegiate Scholars

Relevant Coursework

Intro to Organic Chemistry, Physiology-Biophysics I, Intro to Polymer Science, Materials Properties and Design, Chemistry of Materials, General Physics with Lab, Calculus I, II and III, Differential Equations, Intro to BME, Elementary Computer Programming, Accounting I

Spring 2015: Physiology-Biophysics II, Statics and Strength Materials, Intro Circuits and Instruments, Statistics for Engineering and Science

Skills

Familiar with: Microsoft Word, Excel, PowerPoint, MATLAB, Origin, R

Conversational in: Spanish, Marathi

Work Experience

Case Western Reserve University

Cleveland, OH

Research Student, Materials Science lab

January 2015 – Present

Working with a PhD student to characterize fatigue in nickel titanium alloy wires used in dental applications

- Collected images of fatigued preform Nitinol dental arches
- Tested the fatigue of straight regions of Nitinol dental arches using a universal flex bending fatigue machine

Michelson and Morley

Cleveland, OH

Server

August 2014 – Present

- Greeted and interacted with a diverse customer base in friendly, efficient manner
- Communicated with co-workers, hosts, and managers to ensure proper unit operations are followed and customers are taken care of

Case Western Reserve University

Cleveland, OH

Shadowing Senior Design Teams

October 2013 – December 2013

- Collaborated with a 6 member team to create a design history file for an improved version of a BioVac, a direct suctioning device used in endoscopies
- Learned about the design process and how new and improved devices are created

Rural Education and Literacy (REAL)

Portland, OR

A nonprofit organization based in Portland Oregon that supports education and literacy of underprivileged youth in rural India and STEM efforts in Oregon.

Youth President

September 2012 – July 2013

- Directed all projects executed by REAL Board Members (14 youth members and 8 governing members)
- Conducted and set direction for monthly Board meetings

Internship

June 2012 – September 2012

- Developed a concept for a mobile science program that could be implemented in rural parts of India

Youth Treasurer

September 2011 – September 2012

- Responsible for REAL's finances including creating and reporting financial statements to the Governing Board, and preparing for internal audit

Oregon Health Sciences University

Portland, OR

Research Inquiry in Parkinson's disease

January 2009 – June 2009

- Wrote and presented a research proposal on "Finding Genetic Differences between people with clinical and pathological Alzheimer's to people with only pathological Alzheimer's Disease."

Extracurricular Activities

Vocal: Indian Classical Music

Portland, OR

- Senior Diploma in Indian Vocal Classical Music from Pracheen Kala Kendra (India)

2009 – 2011