

Sailaja Bommarreddy

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EDUCATION

Northwestern University, Evanston, IL
Bachelor of Science in Biomedical Engineering
Master of Science in Computer Science
Current GPA: 3.81/4.00

ANTICIPATED CLASS OF 2022

Relevant Coursework: Biomechanics, Neuroscience, Thermodynamics, Fluid Mechanics, Experimental Design, Signals & Circuits, Statistics, Statics and Dynamics, Electron Microscopy, Organic Chemistry, Linear Algebra, Differential Equations, Computer Science (drRacket and C++), Data Structures, Computer Systems

SKILLS

Software: MATLAB, CAD Modeling Software (SolidWorks, Inventor, and Revit), Microsoft Office, Racket, C++, python, HTML/CSS
Other: Scanning Electron Microscope training, basic shop training, fluent in English and Telugu

EXPERIENCE

Medtronic, Mounds View, MN
Biomedical Engineering Intern

JUNE 2020 - AUGUST 2020

- Worked to optimize current quality process within complaint handling to ensure efficiency and accountability
- Automated various manual aspects in Excel VBA and identified pain points of the process to decrease time spent and foster continuing improvement

PeopleNet (Now Trimble Transportation Mobility), Minnetonka, MN
Software Engineering Intern

JUNE 2018 - AUGUST 2018

- Created and analyzed reports of completed and in progress tasks helping the QA team ensure user interface worked smoothly
- Intern project entailed creating a 10-year plan for correcting truck driver shortage in America; designed a website for truck driver recruitment

Northwestern University Prosthetics-Orthotics Center, Chicago, IL
Undergraduate Research Assistant

OCTOBER 2019 - present

- Worked with given software and data to find discrepancies and trends in data
- Observed data collection testing that utilizes motion sensor technology
- Created MATLAB script to analyze and process data collected for prosthetic stability study

Design Thinking and Communication, Northwestern University Class, IL

Client: Leslie Marriott, Occupational Therapist with Shirley Ryan AbilityLab

FALL 2018

- Designed a collapsible ramp for a child with Distal Spinal Muscular Atrophy to get in and out of their wheelchair independently
- Conducted onsite testing of prototypes
- Presented design at Design Expo for judges and client at end of quarter where we won the design award

Client: Lynn Linkowski, Art Therapist with Shirley Ryan AbilityLab

SPRING 2019

- Designed an easel for patients with spinal cord injuries to mouth paint independently as part of rehabilitation
- Conducted onsite testing and interviews with former and current art therapy patients
- Presented and gave our prototype to client for use

LEADERSHIP

Northwestern Biomedical Engineering Society — *Treasurer*

APRIL 2020 - present

Northwestern Deeva — *President*

APRIL 2020 – present

Northwestern Academic Support and Learning Advancement — *Study Group Leader*

MAY 2020 – present

Northwestern Deeva — *PR Director*

APRIL 2019 – APRIL 2020

Northwestern New Student and Family Programs — *Peer Adviser*

MARCH 2019 – MARCH 2020

Tufaan Entertainment — *Liaison*

OCTOBER 2019 – MARCH 2020

ACTIVITIES & AWARDS

Society of Women in Engineering

SEPTEMBER 2018 – present

Women in Computing

SEPTEMBER 2018 – present

Northwestern Biomedical Engineering Society

SEPTEMBER 2018 – present

Northwestern Deeva

APRIL 2019 – present

Tufaan Entertainment

SEPTEMBER 2019 - present

Northwestern McCormick School of Engineering and Applied Science Dean's List

F18, S19, F19, W20

McCormick Design-a-Thon 2020 First Runner-up

SEPTEMBER 2020

DTC Design Expo Design Award

DECEMBER 2018