

Mark Nyaeme

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Education

University of Wisconsin-Madison

- Major: Biomedical Engineer
- Bachelor of Science
- Intended Graduation: May 2020
- GPA: 3.83/4.0

Work Experience

Vascular Tissue Biomechanics Laboratory (Madison, WI)

Fall 2017 Semester -Ongoing

- Undergraduate Research Assistant
 - Run and code different simulations of the heart using programs like Matlab
 - Record and Analysis results of the simulation
 - Work on simulations of blood flow using ANSYS Fluent

TherVoyent Inc. (Madison, WI)

Fall 2017 Semester

- Design Team Member
 - Design a hardware guide for minimally invasive neurosurgery
 - Creating different prototypes and presenting them
 - Keep an engineering notebook and write weekly progress reports
 - Run the team website

Midwest Geriatrics, LLC (Burr Ridge, IL)

Summers 2016 & 2017

- Patient Facilitator
 - Developed strong interpersonal skills in working with patients and their family
 - Organized paperwork to stay compliant
 - Stimulated patients by organizing activities such as classic music listening sessions

Milwaukee Tool (Madison, WI)

Fall 2016 Semester

- Design Team Member
 - Design & build prototype of industrial cart
 - Used CAD to prototype by using solid works
 - Collaborated with plumbers and other trade workers to test quality control of cart
 - Partnered with engineering class to successfully create prototype

Steel Python Robotics Team (Batavia, IL)

2009-2016

- Head of Design and Networking
 - Lead design of each year's competitive robot by using Computer Aided Design (CAD)
 - Fundraised to local businesses to acquire capital to construct competitive robot
 - Assisted and wired robot to function properly
 - Mentored younger aspiring competitive robotic teams
 - Presented to judges final version of competitive robot

Skills

- Programs Proficiency in: SolidWorks, Matlab, Robot C, Java, Microsoft Office, Apple OSX
- Communication Proficiencies: Public Speaking, Mentoring, Teaching, Collaboration, Writing, Networking
- Other skills: Fabrication, Wiring/Soldering, Photography

Awards & Honors

- Dean's List 2016-2017
- 2x Illinois State Vex Robotics Champion
- Vex Robotics world competition build award

Activities

Pi Kappa Alpha International Fraternity (Beta Xi Chapter)- PC Scholarship Chair
Biomedical Engineering Society
Engineering World Health – Repairer and renovator of medical devices
Hoofers Sailing Club- light keelboat fleet member