

Michelle A. Tiger

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EDUCATION

Louisiana State University (LSU), Baton Rouge, LA

Bachelor of Science, Mechanical Engineering

Minor: Business Administration

May 2020

GPA: 3.15

PROJECTS

Senior Design Project – Automated Kitchen Spice Dispenser – “The PreSpice”

August 2019 – Present

- Collaborated with an interdisciplinary team of 5 engineering students to design and prototype automated spice dispenser
- Managed a project budget of \$1000 and remained under budget through intensive research and positive cash flow prioritization
- Conducted market research through 100 interviews with potential clientele to identify most viable product profile
- Designed PreSpice carousel, taking into consideration top consumer needs, including: efficient use of space, ease of product use and purification
- Iterated product utilization to increase spice storage capacity by 25% while maintaining overall product size
- Presented product research and mock up design to panel of 4 industry professionals and 100 classmates

RELEVANT EXPERIENCE

Lead Engineering Ambassador

August 2018 – Present

LSU College of Engineering, Baton Rouge, LA

- Liaised between College of Engineering Ambassadors and Engineering Recruitment staff
- Supervised up to 6 other student Engineering Ambassadors in efforts to support student recruitment
- Communicated with prospective students about academic majors and life as engineering student

Mechanical Engineering Intern

May 2020 – August 2020

ABC Engineers, Baton Rouge, LA

- Fabricated design models in SolidWorks in accordance to professional engineers’ notes, mock ups, and specs
- Researched appropriate product materials based on needed strength and heat endurance; compiled information and presented to professional engineers with recommendations
- Conducted Strength and Strain simulations to identify design weaknesses; brainstormed possible solutions and presented to Subject Matter Experts and Senior Engineers
- Developed visual product for client presentations to convey technical information in easily understandable ways

President

May 2019 – April 2020

American Society of Mechanical Engineering (ASME), LSU, Baton Rouge, LA

- Led 6-member ASME Executive Board in planning and implementation of all ASME activities
- Communicated with industry professionals to plan regular company information sessions at meetings
- Increased membership by 25% through targeted membership campaign to freshmen and sophomore courses
- Streamlined conference scholarship application process, resulting in 30% increase in scholarship applications

SKILLS

Software: AutoCAD, SolidWorks, Photoshop

Languages: Spanish (fluent)

ACTIVITIES

Intramural Soccer, Habitat for Humanity, Engineers Without Borders