



## **TARA J. MAHAN**

Upon completion of her sophomore year at Milwaukee John Marshall, Tara Mahan spent her summer months in the UW-Milwaukee Health Careers Bridge Program. It was in this program when she first learned of the emerging field of biomedical engineering. This program set the pace for the remainder of her high school years. Tara began to focus on mathematics and biological sciences desiring to one day pursue a career in biomedical engineering.

As a fourth year biomedical engineering (BME) student at the University of Wisconsin, Ms. Mahan has plans to one day pursue a career in engineering sales. Skills she is acquiring and developing in pursuit of her technical communications certificate (TCC) are preparing her for such. Tara's most recent work experiences include working as a clinical engineering intern, GE Medical Systems intern, and also creating an Outreach Kit to display, promote and inform people about BME, the latter being her most recent.

Tara speaks readily about the opportunity she has had on working with the Outreach Kit. She believes that this program will do similar things for young children that the Health Careers Bridge Program did for me." This internship along with semester long design projects in contribute to Ms. Mahan's experience in the engineering field. She has worked on projects related to:

- Elderly Assist Stool
- Asthma Inhaler for Arthritic Patients
- Voice Improvement for Patients with Pakistan's
- Vestibular Feedback System for Patient's with Bilateral Vestibular Loss
- Female Hormone Effects on Muscle Injury
- Knee Ligament Injury and Control of Lower Limb Muscles.

Besides her hard work and pursuit of a BME degree and TCC, Tara enjoys participating in student programs and organizations. She currently serves as a peer mentor to eight first and second year students in the Undergraduate Research Scholars program, as well as performing research funded with a grant by the Ronald E. McNair program. During her fourth year of undergraduate education, Ms. Mahan held the president position of the UW National Society of Black Engineers student organization chapter.

On a personal note, Tara cites faith and family being the two most important things in her life. Together, they are what define her character and focus. Basketball and dancing are Ms. Mahan's social outlets.