



**Email:** eburgin13@gmail.com

**Home School:** Warren Mott High School, Class of 2014

**Secondary Education:** Wayne State University – Bachelor of Science in Biomedical Engineering (BSBME), Class of 2018

**Current Work:** Orchid Orthopedic Solutions – Quality Engineer, Sustaining Product Quality

**Previous Experience:**

- General Motors; Research & Development – Technology Commercialization
- Warmilu LLC; Quality, Regulatory Affairs, and Engineering Intern/Student Fellow
- HoMedics; Quality Engineering Intern to Contract Quality Engineer

**A bit about me:**

I always knew I wanted to use my powers for good and build my career around helping others live better lives. Knowing my strong subjects were math and science but knowing I enjoy creativity, I knew engineering would be my path – especially when I discovered Biomedical Engineering (BME). I went into college knowing exactly what I wanted to do and I made a plan to get there. I was fortunate enough to apply and be accepted into Wayne State University's competitive and exclusive undergraduate BME program (which I always found to be very similar to Butcher, but college). WSU's BME program was intense, but right off the bat I had hands-on design experience on projects that were making a difference.

In my senior year of college, I decided I wanted to explore the quality side of the medical device industry and I reached out to an organization whose mission really resonated with me: using technology to save premature babies in underdeveloped countries with Warmilu LLC, a startup company founded and led by a fellow MMSTC alumna, Grace Hsia. Here I got my first major real-world experience in quality and regulatory affairs, and it led me down the path I'm on now. Following my college graduation, I found an opportunity at a world-renowned consumer health and wellness company, HoMedics, where I supported both quality engineering and regulatory affairs there as well.

I'm now a quality engineer at Orchid Orthopedic Solutions, a medical device contract manufacturer that produces goods for the big medical device companies (you may have heard the term original equipment manufacturer or OEM in reference to the auto industry... we call the big guys OEMs too). I'm lucky to be able to ensure quality in medical devices that statistically are used in around 30% of all surgeries worldwide every year.

If you think I might be able to answer questions you have, please reach out to me!

**I'd be a great contact for you if you are interested/have questions in:**

- Biomedical Engineering
- Wayne State University, and the city of Detroit!
- Quality Engineering
- The medical device industry
- Work environments at different types of companies:
  - Machine shops
  - Fortune 500 companies
  - Startups
  - Smaller, privately-owned companies
- Women's experience in STEM fields