

Morgan G. Fuller
1250 1st Street
West Lafayette, IN 47906
mgfuller333@gmail.com

Objective

To obtain an internship in the discipline of Mechanical Engineering to gain valuable work/leadership experience in a team-oriented environment.

Education & Skills

Purdue University (West Lafayette, IN) August 2017- Present

- Bachelor of Science in Mechanical Engineering
- Minor: Organizational Leadership
- Certificate in Entrepreneurship and Innovation
- Forbes 30 Under 30 Scholar

Technical Skills: Corel DRAW (laser engraver), CAD, 3D Printing, Arduino, MATLAB, Minitab, C/C++

Professional Experience

Tesla Motors, Fremont CA – Process Engineer Intern January 2019-April 2019

- Facilitated Body-in-White process control changes for Model 3/S
- Led Model **3** metrology projects for Body Accuracy Technicians
- Redesigned **8** precision locating pins for KUKA robot tooling for **4** Model 3 door assemblies.

Eaton Corporation Clutch Division – Product Engineer Intern May 2018-August 2018

- Lead, analyzed and communicated **6** projects for R&D Testing
- Designed and lead plan of action for technicians for R&D testing
- Developed MATLAB algorithms to be used to sort/mine data
- Reverse-engineered a CAD model of motor stand to analyze efficiency

Minority Engineering Program - (Purdue) – Asst. Project Manager June 2019-May 2019

- Develop *Technical Project Management* curriculum for **35+** incoming freshman
- Designed team structures for students to use the engineering process, soft skills, and technical management to build and race go karts
- Managed Technical Project for **5** teams with **\$20,000** worth of assets and spending

Researched and developed wearable robotic exoskeletons September 2015-Present

- Developed **2** functional robotic exo-skeletons to assist **Muscular Dystrophy** in the arm
- Movement was responsive to user's muscle input and amplified limb movement
- Presented design at regional youth conference - Won **2nd place**

Leadership/Involvement

National Society of Black Engineers (NSBE) - (Purdue) September 2017-Present

NSBE Racing team - Driver/Crew Chief

- Restored/managed NSBE motorsports team with **15+** members to compete in annual Purdue Grand Prix race.
- Designed team structure, budget, and coordinated all logistics
- Design, build, and race a go kart in Grand Prix with budget of **\$10,000** in total assets & money
- Established NSBE Grand Prix Alumni network to connect team members with mentors and job opportunities

NSBE Corporate Relations Chair

May 2019 -Present

- Fundraise **\$20,000** annually to fund NSBE chapter activities for **120+** NSBE members
- Seek and facilitate **20+** industry partnerships
- Developed and coordinated Industrial Mentorship Program with industry partners

NSBE Region IV Competitions Coordinator

September 2019 – Present

- Direct logistics to empower engineers through technical competitions
- Facilitate **50+** NSBE Chapters in all regional conference competitions