Margaret J. Fowler

Dallas, TX   margaretfowler62@tamu.edu   (713) 253-8572

Education

Texas A&M University	College Station, TX
Master of Science in Industrial and Systems Engineering	December 2020

Specialization in Health and Human Systems Engineering
Overall GPA: 3.47

Texas A&M University	College Station, TX
Bachelor of Science in Industrial Engineering	August 2018

Major GPA: 3.38   Overall GPA: 3.00

Projects

Campus Transportation Technology Initiative	March 2018 – December 2018

Operations Supervisor / Texas A&M Transportation Institute
- Provided logistical support as project team prepared to host autonomous vehicle on TAMU campus.
- Supervised operations and five direct reports to enforce safe practices and protocols ensuring safety across campus.
- Led a team of 2 direct reports to collect a variety of data from the vehicle to evaluate the user's attitudes and the system's design and reliability.

PTSD Smart Systems	August 2017 – August 2018

Undergraduate Researcher / Applied Cognitive Ergonomics Lab
- Acted as a consultant by reviewing the design of the smart system interface and implementing usability evaluation techniques.
- Analyzed qualitative and quantitative data to determine if system was accurate while meeting user needs.

SAE Supermileage Team	September 2015 – May 2017

Team Captain / Women in Engineering
- Facilitated the first Supermileage team at Texas A&M University and led team to compete in annual competition.
- Led the design of powertrain, chassis, and steering system by managing team's objectives and deadlines.

Professional Experience

Texas A&M Transportation Institute	College Station, TX
Graduate Research Assistant / System Reliability	January 2019 – Present

- Offer human factors expertise and knowledge of usability evaluation techniques in a wide variety of research projects.

Textron Specialized Vehicles	Augusta, Georgia
Manufacturing Engineering Intern / Integrated Supply Chain	May – August 2017

- Improved flow and layout of stations to reduce takt time using Lean Six Sigma principles.
- Created standard work for each model produced on Industrial Commercial Line.
- Designed instruction sheets to reduce rework time.

Dixie Chopper	College Station, TX
Quality Engineering Intern / Integrated	June – August 2016

- Implemented and improved database to record internal non-conforming materials.
- Developed controls in assembly line to reduce variability in finished products.
- Created a database to organize and analyze customer quality issues.

Skills and Interests

Software: Microsoft Office, JASP, MaxQDA, Simio, Cogulator
Affiliations: Human Factors and Ergonomics Society, Texas A&M HFES Student Chapter, Texas A&M Powerlifting Team