ARI SHOHAM

(617) 308-2732 | Boston, MA | arishoham@gmail.com | www.linkedin.com/in/ari-shoham

SKILLS

Proficient in VBA, Arduino, 3D Printing, Microsoft Excel, Word, PowerPoint, SolidWorks, MATLAB, Python (Pandas)
Working knowledge of Ansys, C#, Raspberry Pi, Minitab, Finite Element analysis

EDUCATION

Bachelor of Science in **Mechanical Engineering,** Clemson University, Clemson, SC May 2019
GPA: 3.64

WORK EXPERIENCE

Simulation Specialist Nov 2020 – Current
Brigham and Women's Hospital | Boston, MA

- Utilize and operate many simulation technologies including anatomic models, task trainers, high fidelity computer-based simulators, and virtual reality simulators.
- Advise faculty in the design of courses and review upcoming course curriculums.
- Develop, design, prototype, and print resin 3D models of simulation-based task trainers and anatomical models.
- Liaise with clinicians and manufacturers on upgrading current equipment or purchasing new simulators.
- Assist with the development of and execution simulation-based research projects.

Engineering & Management Consultant Dec 2019 – June 2020
Hagen & Company | Salem, MA

- Assisted manufacturing companies in achieving a 10-35% increase in productivity, as well as overall process improvements and optimization.
- Developed, implemented, and maintained accurate technical reports and documents, including Standard Operating Procedures and one-point lessons.
- Led and motivated multi-disciplinary teams in manufacturing plants which worked to increase efficiency and maximize production.
- Implemented a sustainable continuous improvement cycle.
- Applied Lean Six Sigma, 5S, Hagen improvement cycle, and other project management tools/techniques to achieve project initiatives.

Driver Assistance Validation and Integration Engineer (Aug - Dec/2016), (May - Aug/2017), (Jan - May/2018)
BMW Manufacturing | Spartanburg, SC

- Defined requirements for steering wheel vibration measurements which considered human perception of vibration. Then created a test plan to determine vehicle defect severity without human bias.
- Evaluated new vibration measurement tools and presented plans and findings to management.
- Applied knowledge of current optical recognition capabilities of the automobile to determine which speed limit sign variations required further testing.
- Managed logistical details of multi-day drive events including determining routes to maximize test efficiency and allow for the testing of multiple types of speed limit signs.

LEADERSHIP ACTIVITIES AND INVOLVEMENT

Club Car | Senior Design Team

- Thoroughly read government documents to fully understand design requirements
- Conducted market and patent research on the design before the build phase
- Built and programmed an Arduino device that created a minimum sound based on the vehicle's speed
- Tested and calibrated the sound to meet requirements at every speed

Beta Theta Pi Fraternity | Philanthropy Committee