FRANCIS J. FISH, MBA EIT

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SUMMARY

Hardworking, enthusiastic, and results-oriented Mechanical Engineer offering robust qualifications in engineering, project management, and continuous process improvements across project life cycle. Design experience in industrial and manufacturing facility systems across interdisciplinary environments.

EDUCATION

PH.D. OF MECHANICAL ENGINEERING, GEORGIA INSTITUTE OF TECHNOLOGY **ANTICIPATED 2021**
GPA 4.0 Served as Graduate Student Senate Chair and Senator. Won best essay for ASEE Design Section.

MASTER OF MECHANICAL ENGINEERING, GEORGIA INSTITUTE OF TECHNOLOGY **DECEMBER 2020**
GPA 4.0

MASTER OF BUSINESS ADMINISTRATION (MBA), UNIVERSITY OF DELAWARE **DECEMBER 2017**
GPA 3.7

BACHELOR OF MECHANICAL ENGINEERING, UNIVERSITY OF DELAWARE **MAY 2016**
GPA 3.3 While working 28 hours a week the University of Delaware Center of Composite Material. Published two conference papers at SAMPE. Served as Regional Student Chair of ASME.

EXPERIENCE

GRAUDATE RESEARCH ASSISTANT, GEORGIA INSTITUTE OF TECHNOLOGY
08/2018 – 06/2021 [TEAM OF 6]
Analyzed car accidents involving advanced driver assistance systems to determine what changes can be made to improve vehicle safety. Developed models and simulations to predict accident behavior under various conditions. Work is being incorporated by leading auto manufacturer to improve vehicle safety.

ENGINEER, NAVAL SEA SYSTEMS COMMAND (NAVSEA)
09/2016 – 08/2018 [TEAM OF 21]
Directed and processed the repair of nuclear aircraft carriers. Performed statistical analysis for process improvement as a nuclear engineering auditor. Planned aircraft carrier maintenance as part of a planning team using PERT and CPM diagrams. Presented weekly to senior managers on the progress of department work. Holds a Secret Clearance.

MECHANICAL ENGINEER, MECHANICAL DESIGN & FORENSIC ANALYSIS LLC
04/2016 – 06/2016 [TEAM OF 2]
Temp engineer for the development of a process for rapid manufacturing of custom high-end women's shoes. The ultra-high-end shoe company's custom stilettos are now manufactured in a fraction of the time and cost of traditional methods. Performed engineering forensic analysis under the guidance of a PE on two projects.

RESEARCH ASSISTANT, UNIVERSITY OF DELAWARE, CENTER FOR COMPOSITE MATERIALS (DARPA & ARL)
06/2012 – 05/2016 [TEAM OF 8]
Designed composite passive dynamic orthotics for wounded veterans using additive manufacturing. This allowed production of the orthotics to take fewer than 24 hours. This achievement came from my development of a universal model of the human ankle-foot region for the generation of a universal ply set. Developed database software for storing information relating to the patients and orthotics. The work of this DARPA program now affords the disabled the ability to walk again.

SKILLS

Management	Engineering	Programming
Leadership	Machine Design, GD&T, OP	Controls
Interdisciplinary Teams	Simulations & Modeling	JAVA, C, C++
Microsoft Projects	Lean Six-Sigma, DMAIC	VBA, MATLAB, LabVIEW
Project Management	CATIA, SolidWorks, AutoCAD	XML, HTML, JavaScript

HOBBIES

ATHLETICS: Running, Biking, Hiking
CRAFTS: Carpentry, Leather Work, Sewing
INTERESTS: Watch Collecting, Cooking, Baking