

Dynamic and Motivated Mechanical Engineer

MECHANICAL ENGINEERING | ADDITIVE / SUBTRACTIVE MANUFACTURING | NATURAL LEADERSHIP

Motivated and accomplished Mechanical Engineer with years of extensive experience in comprehensive problem solving, research gathering, and complex engineering. Accomplished leader with effective collaboration skills, team building capabilities and leadership in diverse and multifaceted operations. Proven and demonstrated knowledge of high-profile processes and policies to streamline operations. Proud veteran of the United States Marine Corps.

CORE COMPETENCIES

Communications | Relationship Building | Manufacturing optimization | Team Leadership | Interpersonal Skills | Policies and Procedures | Data Analysis | Business Processes | Mechanical Engineering | Research | Process Improvement | 3D Designing and Printing | Problem Resolution

EDUCATION

BACHELOR OF SCIENCE | Mechanical Engineering | University of Washington
ASSOCIATE of ARTS and SCIENCE | Whatcom Community College

CAREER PROGRESSION

TRAVIS INDUSTRIES

2020 - Now

Mechanical Engineer – Mukilteo, WA

Worked with R&D to design and test easily manufacturable, high-end fireplaces. Drafted parts such that programmers and linemen could easily utilize the drawings and ensure a consistent quality part. Helped maintain multiple data management systems.

Key Accomplishments:

- Conducted individual research into new optically based electric fireplaces
- Optimized parts for manufacturing, purchasing, and storage
- Designed a rectangular tube-based burner that utilizes a relatively new manufacturing process

LIBERTY ELECTRIC

2019 - 2020

Project Engineer – Bellevue, WA

Reviewed project plans and proposals in collaboration with management to develop project objectives and distribute responsibilities to a team of foreman, electricians, and operators.

Key Accomplishments:

- Supported Project Managers and Superintendents with purchasing, 100+ RFIs, and 300+ submittals to increase productivity
- Effectively delegated workload to a talented team of contractors keeping communication fluid and relevant
- Oversaw management of fieldwork operations including logistics, planning, and organizational effectiveness for a team of electricians and operators

UNIVERSITY of WASHINGTON

2015 - 2019

Research Lead – Bothell, WA

Worked directly with a high performing team to design functional prosthetic along with an augmented reality application to teach clients the proper use of the new prosthetic. Ensured proper tensile and bending tests were conducted on various 3D printed mediums to cement the attainment of minimum strength and ductility mechanical property requirements based on ASTM standards.

Key Accomplishments:

- Involved in a team to design a functional prosthetic and integrated reality world to teach people the usage of prosthetic
- Successfully delivered comprehensive support for research processes and procedures including designing and strengthening of 3D printed prosthetics
- Created a partial prosthetic for a 9-year old girl resulting in an invitation to the University of Washington Bothell's counselor's reception to display the work

Additional Experience

UNITED STATES MARINE CORPS | Training Non-Commissioned Officer | Camp Pendleton, CA

UNITED STATES MARINE CORPS | Presidential Support | Washington DC

MILITARY AWARDS | Certificate of Accommodation | Good Conduct Medal | Top Secret Security Clearance | Corporals Course Completion

TECHNICAL PROFILE | Java | SolidWorks | Autodesk Fusion 360 | Microsoft Office Suite

More Information can be found on my website: www.MeierMichael.com