

CHRISTIAN MERRIKIN

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SUMMARY

A new engineer aspiring to engage the engineering industry with a key interest in aerospace, defense and robotic technologies. I have a proven record of excellence and reliability in my education and military experience. Allow my keen eye for detail to bring improvements to your enterprise.

EDUCATION

Bachelor of Science in Mechanical Engineering 2016 - 2020
Saint Martin's University (SMU), Washington. GPA : 3.56
Pi Tau Sigma Honor Society November 2019 - Current

SKILLS AND INTERESTS

Skills First principles, DFMA, FMEA, FEA, parametric modeling, methodical problem solving, conceptualizing, technical communication, numeric optimization, medical & military principles.
Interests Aerospace and defense systems, mechanical design, stress analysis, failure mode analysis, rapid prototyping, robotics, unconventional manufacturing systems.
Software Inventor, Matlab, ANSYS, Microsoft Office Suite.

PROJECTS

SMU: Capstone Project - Robotic Platform for Retrieval of Servers May 2020 - Current
Responsible for the design and analysis of a mechanical pantograph lift in a team setting

HeroX: Passive Obstacle Avoidance Concept April 2020 - May 2020
Designed and submitted a passive, clockwork detector for obstacle avoidance on a Venus rover.

SMU: ANSYS Stress Analysis of Derailleur January 2020 - May 2020
Stress analysis on bicycle derailleur was conducted in a team setting

SMU: Embedded Computing January 2020 - May 2020
Produced a C file for application on a National Instruments MyRio device

Trxstle: Consumer Product Design August 2019 - June 2020
Used parametric modeling software to design a prototype for eventual market realization

SMU: Design of Microfluidic Device January 2019 - May 2019
In a team setting, designed a microfluidic device for detection of harmful bacteriuria

Remodeling my House December 2018 - Current
Project management, city permits, plumbing and electrical, tools and multimedia proficiency

EXPERIENCE

Manufacturing Intern and Assembly Technician, Trxstle March 2019 - May 2020
Skilled Laborer, Heritage Restoration September 2018 - December 2018
Hospital Corpsman, US Navy March 2011 - March 2016
Customer Service Representative, Taco Time NW 2006 - 2010