Kevin J. Kuc

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Education

UNIVERSITY OF CALIFORNIA, BERKELEY, College of Information Science   Jan 2023 – Dec 2024
Berkeley, CA – Masters in Data Science; Expected graduation Dec 2024   *GPA **3.9 / 4.0***

THE UNIVERSITY OF ALABAMA, College of Engineering   Aug 2016 – May 2020
Tuscaloosa, AL - Bachelor of Science in Mechanical Engineering with a Mathematics minor   *GPA **3.7 / 4.0***

Work Experience

UNITED STATES MARINE CORPS, Jacksonville, NC
Ground Intelligence Officer – 1st Lieutenant; Top Secret/SCI Security Clearance   September 2020 – Present

- Lead specialized military team in producing and analyzing Secret and Unclassified intelligence briefings at the strategic, operational, and tactical level for the Combat Logistics Regiment 2 (CLR2) Commanding Officer. Prepare and present Top-Secret reports and briefings to military command and leadership staff.
- Directly advise the Commanding Officer and Battalion Leadership on global geopolitical conflicts in preparation for troop, equipment, and material deployment to conflict zones.
- Expanded CLR2's Small Unmanned Aerial System (SUAS) program training by 400% by enabling military personnel to earn certification on the Puma, TRV-150, and SkyRaider aerial platforms.
- Manage, supervise, and provide performance reviews to 7 Marine personnel direct reports.
- Developed an artificial intelligence resume generator for Marines under my supervision, facilitating the creation of tailored resumes for individual career progression.

SOLIDWORKS STARTUP, Wilmington, NC
Owner / Founder / Chief Executive Officer   April 2022 – October 2023

- Established and operated a successful SolidWorks design consultancy, collaborating with two distinct companies: one specializing in fire suppression systems and the other in outdoor sporting equipment.
- Managed a small team of one employee, overseeing design projects from concept to completion. CAD technical drawing output supported the manufacture of product parts and presentation of product parts in company catalogs.

THERMO FISHER SCIENTIFIC, Carlsbad, CA
Manufacturing Engineer Intern   May 2019 – August 2019

- Assigned to Thermo Fisher's manufacturing and bio-technology facility which produces research and laboratory equipment for the life sciences and health care industries.
- Led a Kaizen project focused on optimizing the preventative maintenance process & reliability of Gel Electrophoresis manufacturing equipment. Influenced 8 Kaizen participants to reach a consensus on our team's recommendation. Implemented and delivered results that enhanced equipment reliability & uptime.
- Applied the OPEX principles of GEMBA, Process Mapping, RAIL, and Data Analysis to analyze the before and after Kaizen results. Created Power BI dashboards to report progress to Manufacturing Leadership.
- Analyzed a manufacturing welding deficiency in the Gel manufacturing equipment by using SolidWorks 3D CAD software. Identified the root cause and implemented the solution on the manufacturing line.
- Implemented a poka yoke process in the manufacturing site by using Projector Technology (light beams).

TESLA INC, Sparks, NV
Quality Engineer Intern   May 2018 – August 2018

- Assigned to the Tesla Gigafactory which produces lithium-ion batteries and drivetrains for the Model 3.
- Implemented a manufacturing improvement that increased yield and reduced waste. This involved observing the battery manufacturing process on the shop floor, testing solution hypotheses, and implementing corrective actions.
- Performed Process Failure Mode Effects Analysis (PFMEA) on ion battery manufacturing process.
- Updated product genealogy, non-conforming materials (NCMs), machine names and batch information in MySQL to ensure data accuracy and integrity in Tesla's Quality Management System (QMS).
- Performed Root Cause Analysis (RCA), identified manufacturing defects, and implemented CAPAs.