

Jordan Regalado

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EXPERIENCE

AVIATION SYSTEMS AND HUMAN FACTORS ENGINEERING INTERN | GARMIN INTERNATIONAL | Olathe, KS MAY 2024 – AUG 2024

- Defined, designed, modeled, and implemented new user interface designs for Garmin Integrated Flight Decks by using Human Factors methodologies
- Identified software issues and provided recommendations for fixes to provide consistency of design, stability, and ease of use for pilots
- Researched and used design precedents, regulatory requirements, and customer feedback to develop new features for leading avionics
- Engineered tailored solutions to resolve customer issues, leveraging cross-functional team collaboration to enhance customer satisfaction and enhanced user experience for their specific operation

Industrial Engineering - Manufacturing Operations Co-Op | COLLINS AEROSPACE, RAYTHEON | WILSON, NC JAN 2023 – AUG 2023

- Deployed solution to reduce Ergonomic Stress score from 70 to 20 by implementing a new packing process and WIP storage.
- Analyzed and developed current state layouts of modular production cells through detailed mapping and inspection.
- Evaluated present value streams to find deficiencies in production time, yield, and demand.
- Created optimized flows and layout plans for over 3000 manufactured parts using a single piece flow manufacturing methodology.
- Programmed advanced algorithms to sort through and develop numerical models and matrixes of the current flow and progression of a manufactured part through production stages.
- Developed process matrix to detail all steps involved in the manufacturing of explosive devices and assist in identifying different part families.

Engineering Support Intern | Texas Department of Transportation (TXDOT) | BRYAN, TX JUN 2021 – AUG 2021

- Lead project to create a plan to reclaim and repurpose existing material of FM 975 by developing a new pavement design, analyzing and choosing the required material, and conducting field and laboratory tests of design.

EDUCATION

TEXAS A&M UNIVERSITY – COLLEGE STATION, TX GRADUATING DEC 2024
B.S. Industrial Engineering | Minor in Engineering Project Management | Certificate in Applied Ethical Leadership |
Research in Human Factors |

PROFESSIONAL ORGANIZATIONS AND ACTIVITIES

Civil Air Patrol | College Station, TX DEC 2015 – PRESENT
Human Factors and Ergonomic Society | Texas A&M University AUG 2022 – PRESENT
Corps of Cadets | Texas A&M University AUG 2021 – MAY 2024

LEADERSHIP EXPERIENCE

Human Factors and Ergonomic Society Officer | Lockheed Martin JAN 2024 – PRESENT
Squadron 11 Platoon Leader and Training Officer | Corps of Cadets AUG 2023 – MAY 2024
Parsons Mounted Cavalry | Corps of Cadets AUG 2022 - MAY 2024

SKILLS

AutoCad Systems (Solidworks, Inventor, Draftsight), Microsoft Office Applications, Python, VBA (Excel), Model Based Simulation (SIMIO) , Project Management (Agile and Scrum), Coding (CSS, R, Python), Continuous Improvement 5S

LICENSES AND AWARDS

Certified Flight Instructor, Instrument SEP 2024
Commercial Pilot License, Instrument Rating AUG 2023
Carl A. Spaatz Award MAR 2022
Eagle Scout DEC 2016