

RYAN MICHAUD

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318.268.7726

Electrical Engineer with ten years of aerospace design experience, adept at subsystem design and integration

PROFESSIONAL EXPERIENCE

ELECTRICAL ENGINEER - RS

June 2020 – Present

UNITED LAUNCH ALLIANCE

Centennial, CO

- Supported design and launch operations as Communication CRE for the EGSE launch products
- Led a team in ensuring PCM and network architecture meets CNSSI and launch critical requirements
- Proficient in designing communication systems including local networks, network security, RS-422, IRIG-B, Palo Alto firewalls, and PCM distribution to meet system's and customer's requirements
- Improved ULA's Parameter Signal Measurement (PSM) system by working with the PSM team to implement product improvements and bug fixes, resulting in saving PSM users time

ELECTRICAL DESIGN ENGINEER

June 2013 – January 2020

MISSION INTEGRATION DIVISION, L3 HARRIS TECHNOLOGIES

Greenville, TX

- Led design teams of engineers in parts of large contracts, overseeing the design, schedule, integration, and testing of avionic subsystems across multiple aircraft and system integration laboratories
- Proficient in designing electrical systems which meet electromagnetic compatibility (EMC), FAA, and physical, and system requirements
- Minimized production rework by maintaining communication among mechanical, structural, and electrical engineers ensuring final product integrates efficiently
- Performed crucial checks of systems requirement documents as well as electrical and mechanical drawings

AVIONICS AND ELECTRICAL SYSTEM INTERN

May 2012 – Sept. 2012

CESSNA AIRCRAFT COMPANY, TEXTRON

Wichita, KS

A leading general aviation aircraft manufacturing company

- Conducted research on avionic systems and presented recommendations to management based on the aircraft's Concept of Operations (CONOPS), cost, risk, and schedule impact analysis
- Designed and drafted electrical drawings for new aircraft prototype with a fast-paced schedule

TECHNICAL PROFICIENCIES

SOFTWARE: PSM, ADMS, Teamcenter, Zuken (Harness CAD), NX (2D/3D ECAD/MCAD), Jira, Confluence, Palo Alto, Cisco, Matlab, Altium Designer, Device42, SNOW, Wireshark

CERTIFICATIONS: Six Sigma Greenbelt, NFPA, Engineering in Training, Microsoft Office Specialist

EDUCATION

MASTERS OF SCIENCE, ELECTRONIC NAVIGATION

OHIO UNIVERSITY

May 2022

GPA: 3.92

BACHELOR OF SCIENCE, ELECTRICAL ENGINEERING

LOUISIANA TECH UNIVERSITY

May 2013

GPA: 3.4
