

# JULIO C. PEREZ

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## EDUCATION

University of Central Florida

**Bachelor of Science, Aerospace Engineering**

**May 2016**

GPA: 3.533/4.00

## EXPERIENCE

**Systems Engineer Space Suit, ERC Inc.**

**June 2020 – Present**

- Support development, review, and maintenance of project requirements included in the Project Technical Requirements Specification (PTRS), Interface Control Requirements Documents (IRCDs), and Master Integration, Verification and Validation Plan (MIVVP).
- Review Program level requirements documents, environments specifications, and design and construction specifications and evaluate impact to project.
- Perform and review system level architecture trade studies and analyses that will influence the overall system design and performance.
- Utilize Cradle ® requirements management tool to define, trace and integrate project requirements and associated products.
- Perform and coordinate system level analysis and/or test within team and matrixed organizations.
- Ensure the interfaces between subsystems are properly captured and documented in appropriate requirements.
- Work in a team environment and report to the team lead to provide status on progress and issues and for support.

**VAB Ground Integration Engineer II, Ares Corporation**

**February 2020 – May 2020**

- Systems Engineer responsible for technical integration of programmatic requirements development, Verification & Validation (V&V) planning, requirements traceability, and requirements tracking and closure
- Integrating multi-discipline teams and collaborating with multiple Element Integration Teams in technical problem resolution, change requests and requirements development
- Developing and presenting technical problems and solutions, project status and technical data to Programmatic Boards and technical integration meetings
- Managing subsystem design efforts and working closely with the subsystem Systems Engineer to drive certification and closure of the project
- Providing programmatic evidence closure through the requirements management database CRADLE
- Supporting programmatic milestone reviews and work along side other programs to develop and integrate Interface Control Documents
- Supporting Operations Project Engineers in the Firing Room for On Console Verification and Validation Testing

**Life Cycle Review Engineer, Millennium Engineering and Integration Company March 2019 – February 2020**

- Technical Integration Engineer and Spacecraft Offline Operations Life Cycle Review Lead responsible for leading the assigned integrated Exploration Ground Systems (EGS) Life Cycle Reviews (LCRs), Operational Readiness Reviews (ORRs), and Pre-Flight Readiness Review (FRR) planning and execution activities
- Actively lead various working groups, Technical Integration Meetings (TIMs), review boards and forums for EGS, focusing on the integration of technical requirements, requirement compliance and performance data associated with requirements verification.
- Successfully developed and presented executive-level briefings to various boards, teams, and NASA leadership, including the EGS program leadership, NASA center leadership, technical authority and independent review and assessment personnel
- Integrated multi-element teams including planning, product maturation, problem identification and resolution, and requirements closure by working with various Subject Matter Experts (SMEs), and interfacing with Configuration Management (CM) and other personnel who assist with the development of review products

**Project Engineer, Belcan Corporation**

**August 2016 – March 2019**

- Former Belcan Integrated Product Team Leader (IPTL) for the Hot Section Engineering Group Next Generation Product Family (NGPF) 17K HPT 1<sup>st</sup> Vane, 1<sup>st</sup> Blade, 2<sup>nd</sup> Vane and 2<sup>nd</sup> Blade, providing technical coordination, customer interface and “cradle-to-grave” engineering change documentation
- Former Belcan project lead for TF33/F100 LPC & HPC Cold Start Transitions, providing technical execution, engineering review and customer interface
- Former project lead for F135 HPC group writing Engineering Authorizations and Technical Substantiation Documents for F135 engine maintenance procedures including expansion of serviceable and repairable limits
- Former project owner for the F135 High Pressure Compressor (HPC) group for a validation plan and success criteria on Airfoil CBN tip coating and Knife Edge Seal coating strip and recoat avoidance
- Former IPTL for the ATEC T900 Military Helicopter Engine, providing technical direction to a multidisciplinary team of engineers in preliminary design of two LPC Variable Stators and three Integrally Bladed Rotors