**OBJECTIVE**

**EDUCATION**

**EXPERIENCE**

Use skills learn in the aviation engine industry, United State Marine Corps, and at American Airlines MRO facility to best support the mechanical engineering community.

**McDonough School of Business, Georgetown University,** Washington, D.C. **Current**

***Masters of Business Administration***

**Rensselaer Polytechnic Institute (RPI)**, Troy, NY **May 2017**

***Bachelor of Science in Aeronautical Engineering***

* Rensselaer Leadership Award; Dean’s List

**Dutchess Community College (DCC)**, Poughkeepsie, NY **Spring 2011**

***Associate in Arts in Liberal Arts & Science in Mathematics***

* Presidents List; Dean’s List

**Pratt and Whitney** Multiple Assignments within Military Customer Support and Services **July 2020-Current**

**Military Customer Support Engineer (CSE)**

* + **Component Improvement Program Retrofits Manager March 2024 - Current**
  + Quorum approval representing CSE for Product Change Incorporation Review Process
  + Review all engineering changes to quantify and maximize positive field impacts
  + Influence effective solutions for unit / depot implementations plans of new configurations
  + Design Time Compliance Technical Directives to integrate and retrofit fielded assets
  + Represent CSE at all Component Improvement Plan discussions with external customers
  + **Lifing Data Investigation Lead July 2024 – Current**
  + Liaison with Software, Sustainment, and Logistics team to ensure successful lifing data update
  + Report to senior leadership on field status of systemic lifing data corrections
  + Advocate for solutions minimizing work for service members and maximizing risk mitigation
  + Monitor fleet data to mitigate risk and direct early intervention to avoid module overflights
  + Implement strategic plans for lifing data correction of fielded assets
  + Manage workload of cross functional team prioritizing actions to best support customer
  + **Maintenance Awareness Lead August 2021 – Current**
  + Lead Maintenance Awareness Program to drive awareness of top maintenance drivers
  + Identify maintenance drivers and create training curriculum for worldwide customer base
  + Plan and coordinate team of engineers to support training at 30+ bases
  + **Engineering Investigations Lead July 2020 – June 2023**
  + Lead reliability and engineering investigations to determine root cause and corrective action for propulsion sustainment issues
  + Develop, compile, and communicate depot work-scope to support root cause investigation
  + Ensure strict investigation adherence to Department of Defense policy and contract
  + Liaison with Quality department to communicate investigations that fall outside of engineering
  + Communicate status of investigations to senior leadership to facilitate support planning

**Pratt and Whitney** Multiple Assignments within Mechanical Systems, Externals, Nacelles Module Center **July 2017-June 2020**

* **PW1200G Nacelle Certification Retrofits, Project Engineer**
  + Manage engineering documentation to support retrofits on customer flight test vehicles
  + Determine and order required parts to support customer retrofits
  + Facilitate movement of hardware from supplier to the customer
  + Record financial figures from service and hardware cost to reconcile budget with CIPT
* **Externals Military Development Program, Structural Engineer**
  + Build finite element models
  + Perform stress analysis on brackets and tubes using Ansys Workbench
  + Validate theoretical analysis for HCF and LCF using ping testing
  + Develop designs to mitigate risk high cycle fatigue failure
* **Integrated Product Team Lead PW1400G (Development) & PW1900 (Production)**
  + Integrating supplier design activities meet technical requirements and part 25 certification
  + Rectify technical issues and drive design team to solution
  + Act as Pratt and Whitney focal for Nacelle related flight test AOG issues.
  + Support field issues as CIPT focal for responsible hardware
  + Manage Engineering Changes that pertain to the assigned hardware
  + Conduct leak checks on engine nacelles to ensure no manufacturing or design defects

**American Airlines, Base Support Co-op Engineer** **January 2016-August 2016**

* Develop technical dispositions and guidance for aircraft issues that exceed published limits for structural damage
* Preform stress analysis to substantiate and develop structural repairs plan
* Reverse engineer to calculate ultimate load bearing capability of repair structure
* Provide aircraft system troubleshooting assistance to Base Maintenance

**United States Marine Corps, Enlisted Crewmaster Instructor 6276/7382** **June 2011-Present**

* Design a load plan for weight distribution of cargo in aircraft
* Act as work center supervisor in Marine Corps Aviation maintenance shop
* Managed safety and security of hazardous material and sensitive information in transit
* Troubleshoot the aircraft in the event it experiences any mechanical malfunctions
* While maintaining aircraft, adhered to a ridged Naval Aviation process and specifications
* Instruct and evaluate new crew members on their duties and how to preform them
* Mentor and manage career of 19 junior Marines division chief, similar to Industry “direct reports”