

# Joshua Chandley

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## Summary

Experience with manufacturing in multiple mediums, security and mining. Includes working with engineers to collaboratively construct products that meet detailed specifications in multiple facilities including NASA test and launch facilities. Currently holds NASA PIV clearance.

## Relevant Experience:

### **Production Planner II Sierra Space, Louisville Colorado**

**January 2023- February 2025**

Coordinated with scheduling, planning, and production teams for the construction of the “Dream Chaser” and “Shooting Star” prototype in private facilities as well as Armstrong Test Facility and Kennedy Space Center.

- Worked with proprietary scheduling program “Nerve Clear to Build” to identify which manufacturing orders were kitted, completed paperwork through work clearance.
- Schedule and order parts to be kitted from logistics team and organized kits accordingly
- Plan, organize and lead “Readiness Review” meetings with representatives from multiple teams going over blockers and finding solutions for scheduled line items
- Sole Production Planning representative for harness build team
- Lead Production Planning efforts for second “Shooting Star” Cargo module build
- Trained new employees on Production Planning responsibilities

### **Quality Inspector II Sierra Space, Louisville Colorado**

**June-August 2022**

Completed training for visual and dimensional inspection of “Dream Chaser” prototype. Conducted quality assurance inspections of first article production model of composite space plane

- Experience with handling and inspecting thermal protection tiles, two-part compounds (such as RTV and liquid shim), taking photographs for documentation, receiving inspections, reviewing vendor paperwork for consistency and compatibility, inspecting fasteners for product quality
- Performed photographic inspections, visual inspections, dimensional inspections
- Experienced with multiple manufacturing computer systems
- Trained in GD&T and Worked to ISO9000/ASO9100, NASA, and ISS standards
- Collaborated with engineers and technicians to improve inspection process for ultimate team goals

### **Club Builder Parson’s Xtreme Golf (PXG), Scottsdale, Arizona**

**March 2021 – June 2022**

Custom golf club construction pursuant to unique customer specifications

- Experience building thousands of clubs with varying requirements, work includes:
  - Cutting shafts of composite materials and steel, calibrating the “swing weight” of clubs, attaching heads to shaft, shaving down plastic ferules, bending clubs to specific angles, attaching grips, testing the “final swing weight” of clubs and adjusting, final visual inspection to verify finished product matches customers specifications and preparing and packaging clubs for shipping.

### **Northparkes Mine Work Placement, Parkes, Australia**

**Summer 2018**

- Worked with the Health and Safety team on risk management projects at an underground copper and gold mine. Audited and cataloged mines airburst safety procedures for compliance.

### **Landman for Vast Mountain Development, Arizona**

**Spring 2020**

- Surveyed 120 acres of mining claim locations by comparing GPS location to paper map
- Re-staked claims in GPS pinpointed locations and updated claim records

### **Vice President and Build Team, Eagle Aero Sport, ERAU**

**2016 – 2019**

Student led club consisting of 50 students constructing a Vans RV-12 kit plane with telemetry and electrical modifications with adherence to OSHA and FAA standard

- Qualified and appointed to a position on the Build Team for an experimental aircraft
- Elected to serve as Team Vice President.

### **Safety Engineer and Student Researcher ERAU**

**Aug. 2018 – Dec. 2019**

Undergraduate Research Institute Ignite grant, Hybrid Rocket Design Research, Prescott, AZ

- Acted as safety engineer, technical writer, and technician for a research grant funded project to design, fabricate and test fire three hybrid rocket motors while enrolled as a full-time student.

## **Education**

Embry-Riddle Aeronautical University (ERAU), Prescott, AZ

**Bachelor of Science: Global Security & Intelligence Studies**

**Dec 2019**

GPA 3.1

- **Security Fundamentals Project:** Designed facility security plan for a fictional building and developed project management plan for construction of the building as a group project assignment.
- **Certified in Interview and Interrogation Techniques and Tactics**

<b>Leadership</b>	<b>Vice President</b> ERAU Eagle Aero Sport Team (2019); <b>Eagle Scout</b> (2015)
<b>Honors</b>	Embry-Riddle <b>Honor Roll</b> (2017- graduation); Embry-Riddle <b>Deans List</b> (2019); <b>Thespian</b> (2015).
<b>Computer</b>	MS Office (Word, PowerPoint, Excel, Outlook, Publisher, Power BI); Adobe (Photoshop); Epsilon; Thing Works MES; As-Built; Windchill; TeamCenter; SAP; Manufacturo Mac and PC