

LUC ROCHAT

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SUMMARY

Full time mechanical engineer and engineering manager working in the aerospace and defense industry. Experienced in leading manufacturing process development, research and development efforts, developing organizational policy, and qualification/flight testing. Platform experience includes A-10, F-16, F-22, B-52, H-60, AgilePod, and others.

EXPERIENCE

2018 - Present KIHOMAC - Layton, Utah

Engineering Manager, April 2024 – Present

Leading a team of 5 consisting of engineers and CNC programmers. The agile organization structure at KIHOMAC means I am continuously interfacing with other managers to ensure all of the projects assigned to our division have the resources they need and priorities are well defined.

Mechanical Engineer, July 2023 – Present

Roles: Lead Manufacturing Engineer, Lead Design Engineer, Additive Manufacturing Lab Manager, Test Engineer

- Lead a design team with the objective of converting KIHOMAC's F-35 internal carry pod into an external carry pod with observation windows. Project start to first flight was 33 business days. I supported all 6 test flights working with Boom Supersonic to film the first privately developed supersonic aircraft.
- Extensive manufacturing experience across a broad range of processes; metal and composite machining, composite layup and cure, complex assembly processes, electrical integration, etc.

Jr. Mechanical Engineer, July 2022 – July 2023

Roles: Manufacturing Engineer, Additive Manufacturing Lab Manager

- Avionic housing design and electrical system integration. Tolerance, cost, and structural analysis.

Mechanical Engineering Intern, May 2018 – July 2022 (3800+ Hours)

- Reverse engineering, utilizing data collection methods including CMM, light scanning, and direct measurement.

EDUCATION

May 2022

Salt Lake City, Utah

B.S. in Mechanical Engineering, *University of Utah*

GPA: 3.1

- L3Harris sponsored senior design project, developed a 3D printable packaging system for military electronic equipment.

SUBJECT MATTER EXPERT IN:

- GD&T, ASME Y14.5
- SolidWorks
- Additive Manufacturing
- Electronics Enclosure Design
- Aircraft Optical Windows
- Aerospace Coatings
- Fastener Installation
- Strain Gages
- Engineering Drawing Format, ASME Y14.100
- Lockheed Martin/DLA
- Dimensional Inspection