

# LUC ROCHAT

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## SUMMARY

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Full time mechanical engineer working in the aerospace and defense industry. Experienced in leading manufacturing process development, R&D efforts, and development of organizational engineering policy. Platform experience includes A-10, F-16, F-22, B-52, MH-60, AgilePod, and others.

## EXPERIENCE

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2018 - Present KIHOMAC - Layton, Utah

**Mechanical Engineer**, July 2023 – Present

*Roles:* Lead Manufacturing Engineer, Lead Design Engineer, Additive Manufacturing Lab Manager, Technical Lead

- Lead manufacturing engineer for 3+ million dollar project consisting of 250+ drawings and 650+ line items. Played key role in identifying and requesting TDP updates to improve manufacturability.
- Lead designer and technical lead for IR&D project. Completed phase 1 (design, TDP development, and prototyping) in under 5 months.
- Regularly advised on improving organizational work products.
- Led multiple composite manufacturing & design projects.
- Guided multiple employees during the onboarding process and have served as a resource for both technical and company information.

**Jr. Mechanical Engineer**, July 2022 – July 2023

*Roles:* Manufacturing Engineer, Additive Manufacturing Lab Manager

- Developed manufacturing process development involving composites, metallics, strain gages, electrical installations.
- Lead mechanical design engineer for avionics enclosure. Completed tolerance, cost, and structural analysis. Full TDP development.

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

- Process development and optimization in collaboration with our ERP division and software.
- Reverse engineering, utilizing data collection methods including CMM, light scanning, and direct measurement.
- Played key role in developing additive manufacturing lab. Consulted on machine selection and set up automated job submissions.

## EDUCATION

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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

August 2020

➤ 20 hours of GD&T training, *Davis Technical College*

➤ Three-day VERISURF training course, *KIHOMAC*

## SUBJECT MATTER EXPERT IN:

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- 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 Systems
- Dimensional Inspection