



# DHRUV CHAWLA

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## SUMMARY

Versatile, hard-working and passionate Engineer with about **2 years** of experience in manufacturing and a **Master's** in Aerospace Engineering. Successful at complex problem solving & continuous process improvement with expertise in design.

## SKILLS

- **Technologies:** CAD, SolidWorks, CATIA, AutoCAD, Nastran/Patran, MS Office, 3D Printing
- **Manufacturing Skills:** Lean Manufacturing, Process Improvement, Six Sigma, 6S

## EXPERIENCE

Production Operator / **LMI Aerospace** - Vista, CA

07/2017 - 02/2019

- Certified Heat Treat Operator
- **Supervised** a team of 5 'Heat Treat operators'
- Sheet Metal Fabrication for Wings, Winglets, Ailerons, Fuselage sections, Frames, Stringers
- Worked closely with, **Work Instructions, Corrective Action Procedures, Bill of Materials**
- Primary engineer on the team responsible for creating prototypes using CAD tools like **SolidWorks & Catia**
- Developed methods to improve efficiency of multiple processes by up to **100%**
- Worked in conjunction with a Senior Process Engineer to develop manufacturing methods, labor utilization & estimate potential cost saving methods
- Assisted in **Root cause analysis** and problem-solving involving data-based decision making
- Identified and executed opportunities for improvement in production work flow, waste reduction (**5 S**) & equipment utilization

**Engineering Intern** / Aeronautical Development Agency - Bengaluru, KA

05/2013 - 08/2013

- Worked on a design project; 'Preliminary Design of 10 kg man-portable Mini UAV'
- Primary utility for Surveillance and Reconnaissance
- Core design engineer on the team to produce **CAD** models of the Preliminary design using CATIA
- Assisted in performing Aerodynamic Analysis of the UAV on **ANSYS** and aircraft performance and dynamics calculations using **MS Excel & MATLAB**

## EDUCATION AND TRAINING

The University of Kansas - Lawrence, KS

2016

**Master of Science:** Aerospace Engineering

- AIAA Member
- Thesis: Post-Additive Processing & Manufacturing of UAV Airframes
- Lyder Scholarship program

Manipal Institute of Technology - Manipal, KA, India

2014

**Bachelor of Engineering:** Aeronautical Engineering

- Major in Aircraft Design & Aerodynamics

## PUBLICATIONS

Post-Additive Processing and Manufacturing of UAV Airframes, University of Kansas