

Analleli Frodl

Lead Mechanical Engineer

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📍 619 White Oak Rd, Oxford, MS 38655

Education

Bachelor of Science in Mechanical Engineering at Mississippi State University

Sep 2012 - May 2017

I've learned how to design and analyze mechanical systems using principles of physics and engineering.

Links

[linkedin.com/in/anallelifrodl](https://www.linkedin.com/in/anallelifrodl)

Skills

CAD

CAM

CAE

FEM

CFD

CNC programming

Languages

English

Indonesian

Profile

Lead Mechanical Engineer with over 5 years experience in the areas of design, analysis and testing of mechanical systems. Expertise in reverse engineering, CAD/CAM and FEM Analysis. Proficient in Solidworks, Pro-E & ANSYS Workbench. Track record of designing profitable products by reducing development cost and time to market

Employment History

Lead Mechanical Engineer at Northrop Grumman, MS

May 2022 - Present

- Led mechanical engineering team in designing and prototyping new product that increased sales by 15%.
- Redesigned existing product to decrease manufacturing costs by 20%.
- Implemented new testing procedures that identified defects earlier in the process, reducing rework costs by 30%.
- Trained junior engineers on best practices and mentor employees through professional development programs.
- Conducted regular meetings with stakeholders to provide updates on projects, ensure quality standards are met, and identify potential risks.

Senior Mechanical Engineer at General Dynamics, MS

Aug 2017 - Mar 2022

- Managed a team of 8 mechanical engineers and completed 10 projects within budget and ahead of schedule.
- Reduced production costs by 15% through innovation in design and implementation of new machinery.
- Negotiated supplier contracts that saved the company \$250,000 annually.
- Devised original testing methods which identified defects in products before they reached consumers, saving the company millions in recalls and reputation damage.
- Wrote 4 patents for unique designs which increased sales by 20%.

Certificates

Certified Lead Mechanical Engineer (CLME)

Apr 2021

Certified Diverse Lead Mechanical Engineer (CDLME)

Jul 2019

Memberships

American Society of Mechanical Engineers (ASME)

Institute of Mechanical Engineers (IMechE)

Hobbies

Building model cars

Designing and building model
rockets

Playing video games