

# Alex Morgan

Senior Mechanical Engineer

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## PROFESSIONAL SUMMARY

Accomplished Mechanical Engineer with 10+ years of expertise in product design, systems optimization, and project leadership within the manufacturing and automotive sectors. Proven track record of delivering innovative solutions and leading cross-functional teams to exceed project goals.

## EXPERIENCE

Lead Mechanical Engineer 2018 – Present  
ABC Manufacturing Corp, New York, NY

• Led a team of 8 engineers on advanced machinery projects, reducing costs by 20% through innovative design enhancements.

• Oversaw end-to-end project lifecycle from requirements gathering to final commissioning.

• Collaborated with cross-disciplinary teams to optimize product performance and safety.

Mechanical Engineer 2014 – 2018  
XYZ Automotive, Brooklyn, NY

• Designed components for electric vehicle powertrains and improved reliability by 15%.

• Performed failure analysis and implemented corrective actions in production cycling.

• Developed CAD models and technical documentation for large-scale production.

## EDUCATION

M.S. in Mechanical Engineering 2012 – 2014  
Columbia University, New York, NY

B.S. in Mechanical Engineering 2008 – 2012  
Rensselaer Polytechnic Institute, Troy, NY

## SKILLS

CAD (SolidWorks, AutoCAD)

Finite Element Analysis

Project Management

Product Development

Process Optimization

Team Leadership

Lean Manufacturing

DFMEA