

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