

MICHAEL ROBERTS

Mechanical Engineer

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PROFESSIONAL SUMMARY

Licensed Mechanical Engineer with 5 years of experience in product design and development. Expert in CAD software, finite element analysis, and manufacturing processes.

TECHNICAL SKILLS

- CAD Software: SolidWorks, AutoCAD, CATIA, Fusion 360
- Engineering Analysis: Finite Element Analysis (FEA), CFD, MATLAB
- Manufacturing: GD&T, CNC Machining, 3D Printing, Quality Control
- Project Management: Agile, Six Sigma, Risk Assessment

PROFESSIONAL EXPERIENCE

Mechanical Design Engineer | Advanced Manufacturing Ltd. | 2018 - Present

- Designed and developed 15+ mechanical components using SolidWorks
- Conducted FEA simulations reducing product failure rates by 30%
- Led product development projects from concept to manufacturing
- Collaborated with cross-functional teams to optimize designs

Junior Engineer | Precision Engineering | 2016 - 2018

- Assisted in design of automotive components
- Performed quality control and testing procedures
- Created technical documentation and engineering drawings

EDUCATION & CERTIFICATIONS

Bachelor of Mechanical Engineering | Engineering University | 2012 - 2016

Professional Engineer (PE) License

SolidWorks Certified Professional