

Michael Martinez

Mechanical Engineer | Automation Expert

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SUMMARY

Dedicated Mechanical Engineer boasting 10+ years' experience in automation and mechanical design. Expert in SolidWorks, CRM, and FEA, with a strong record of delivering innovative solutions. I look forward to bringing my analytical and problem-solving skills to a world-leading integrator such as yours.

EXPERIENCE

2017 - Ongoing Boston, MA	Senior Mechanical Engineer Boston Dynamics Led the development of custom automated solutions for varying industries. <ul style="list-style-type: none">Successfully completed over 12 complex automation projects in automotive and manufacturing sectors.Implemented a new component selection process that reduced costs by 15%.Collaborated across various teams to design and test innovative mechanical systems.
2014 - 2017 Bedford, MA	Mechanical Engineer II iRobot Corporation Worked on concept and design of multi-functional robotics for consumer products. <ul style="list-style-type: none">Redesigned several product lines, reducing production costs by 20%.Led a team of 5 engineers in a project that increased production efficiency by 30%.Managed a project for integrating vision-based AI system into consumer robots.
2010 - 2014 Palmdale, CA	Mechanical Engineer Lockheed Martin Handled design, manufacturing machinery & assembly equipment for defense sector. <ul style="list-style-type: none">Developed and implemented an efficient maintenance procedure that reduced downtime by 10%.Key role in the design of a multi-purpose unmanned aircraft, contributing to a successful contract acquisition worth \$2M.Redesigned a major assembly line, increasing its efficiency by 25%.

STRENGTHS

 Analytical Problem-Solver Skilled at identifying and resolving design issues, resulting in a 20% reduction in project revisions.	 Design Expertise Designed and implemented over 25 successful manufacturing automation projects in various industry sectors.
 Effective Communicator Regularly present complex technical solutions to clients in understandable terms and concepts.	

EDUCATION

2008 - 2010 Stanford, CA	Master of Science in Mechanical Engineering Stanford University
2004 - 2008 Los Angeles, CA	Bachelor of Science in Mechanical Engineering University of California, Los Angeles

SKILLS

SolidWorks	CRM	Pneumatics	Hydraulics	Microsoft Office Suite	Material Selection	FEA
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CERTIFICATION

Advanced Engineering Design with SolidWorks Certification course completed through MIT OpenCourseWare.	Fluid Mechanics and Hydraulics Professional Development Course through Stanford University's School of Engineering.
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PASSIONS

 Robotics Passionate about the field of robotics and automation, frequently attending keynote speeches and conferences.	 Hiking Love exploring the great outdoors. Avid hiker and have climbed several major peaks in the US.
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