

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.

- 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.

- 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.

- 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

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.

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.