



# Ryan Cartin

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LinkedIn | Portfolio

Robotics product manager driving innovation in automation and AI

Results-oriented robotics product manager with eight years of experience in robotic automation, AI-driven solutions, and hardware-software integration. Passionate about developing cutting-edge robotic systems that enhance efficiency and improve UX.

## Key Skills

- AI and ML integration
- Autonomous robotic systems
- Hardware-software synchronization
- Industrial automation and IoT
- Robotics product lifecycle management

## Professional Experience

June 2020 - Present

### Robotics Product Manager

*NextGen Robotics, Boston, MA*

- Led a cross-functional team to develop an autonomous warehouse robot, improving efficiency by 45%
- Integrate AI-powered computer vision systems to enhance robotic navigation and obstacle detection
- Developed product roadmaps that aligned with industry trends, securing \$10 million in funding for innovation

July 2016 - May 2020

### Product Manager

*Automation, AutoBot Technologies, San Jose, CA*

- Spearheaded the development of robotic arms for manufacturing, reducing labor costs by 30%
- Collaborated with engineers to optimize hardware-software synchronization, improving robot accuracy by 20%
- Conducted market research to identify new automation opportunities in logistics and health care

## Education

May 2022

### Master of Science in Robotics Engineering

Massachusetts Institute of Technology (MIT), Cambridge, MA