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Is your business poised to take advantage of AI Vision at scale?

Top 5 AI Vision Questions by Forrester



# Introduction

**Unstructured visual data is being produced by today's consumers and organizations at an unprecedented rate.**

Proliferated by the increased sophistication of today's cameras and processors, such video data remains an unexploited competitive advantage for teams that can implement full lifecycle computer vision solutions with enterprise-scale deployment options; AI is now closer to visual data acquisition and is capable of unlocking insights with more immediacy than ever before.

Rowan Curran is an analyst from Forrester who focuses on AI, ML, and data science sectors. He is the author of over 30 reports, including many Forrester Wave™ evaluations.

His research addresses the challenges and opportunities presented by innovative technologies to advise tech executives and their teams in their operating plans. Rowan has more than a decade of experience in analytics, tech market research, and data development.

In this eBook, Rowan answers five of the most pressing questions about implementing computer vision solutions for the enterprise.



# 1

## **What are the distinct value drivers for computer vision vs. the general video intelligence market?**

Value drivers for computer vision are expansive and can touch every part of the enterprise – everything from loss prevention to product development to employee training and safety. Computer vision solutions can contribute to topline value in addition to reducing bottom-line loss and become part of a loop of continuous improvement within broader AI applications and the enterprise itself.



## 2

### **What are the unique advantages of a computer vision platform over homegrown solutions, particularly in industries with existing disparate solutions for bespoke vision needs such as manufacturing defect detection?**

Computer vision platforms can enable the full end-to-end lifecycle that is critical in all machine learning and artificial intelligence use-cases. MLOps and Continuous Integration/Continuous Deployment methodologies are critical to the broader data science practice, but it is only recently that computer vision platforms have begun to integrate that same functionality. A platform approach combined with a continuous-lifecycle approach to computer vision allows for enterprises to develop custom solutions for their enterprises that can be more quickly deployed and easily iterated on than a custom solution. Additionally, platforms increasingly offer unique functionalities that would be incredibly challenging for enterprises to develop and maintain themselves such as advanced collaboration capabilities.



# 3

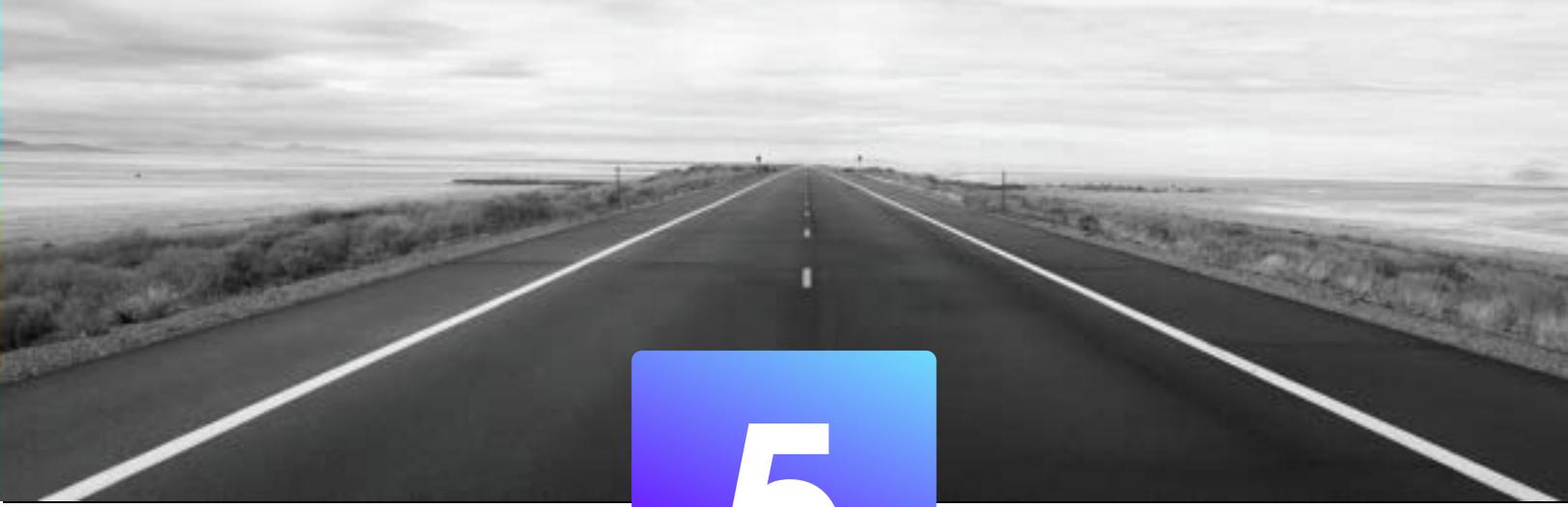
## **What processes surrounding data management need to be operationalized for an organization to be considered ready for a computer vision solution at enterprise-scale?**

The broader process of managing data within a modern enterprise can be described under the data fabric architecture, which refers to orchestrating disparate data sources in a unified and trusted manner for self-service. Data for computer vision is a crucial component of this, and computer vision platforms providing capabilities for both manual and automated dataset creation and labelling are seen as increasingly important for achieving the accuracy and speed in dataset creation and iteration for computer vision applications. Platforms which enable the collaboration and communication between the builders of computer vision applications along with the subject matter experts who will provide the knowledge to create the most useful datasets can further contribute to these need data management practices.

# 4

## **What are the negative consequences on an organization's AI strategy when a full-lifecycle solution is not available?**

Building an AI strategy today without incorporating a structure and process for how the solution will be continuously improved and iterated on is a recipe for failure. While having a complete set of tools deployed to support a continuous iteration of the AI lifecycle is necessary for the launch of a strategy, understanding how this will be done is crucial for success. Aside from direct improvement in the data driving the computer vision models as part of the AI solution, building from a continuous development process perspective makes it easier to integrate further innovations in both methods and algorithms in the computer vision space.



# 5

## **How will early adopters to full-lifecycle computer vision platforms benefit and what difficulties will be faced by those who lag behind?**

Early adopters will be able to evolve and iterate their applications more quickly than those who do not. Those who adopt a full-lifecycle platform have the potential to gain significantly more advantage because of the additional benefits of abstracted tooling and automation, in addition to the full-lifecycle approach allowing the application to be more useful both in the initial deployment and over time.



## About Rowan Curran

### Featured Analyst at Forrester

Rowan's research focuses on AI, ML, and data science, looking at the challenges and opportunities for technology executives and their teams. Rowan's specific areas of research focus on cutting-edge technologies critical to enterprise AI such as computer vision, data science and ML platforms, and synthetic data. – will be repetitive as this is cited in the intro.



## About Chooch

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Chooch is a leading AI Vision platform that instantly detects specific visuals, objects, and actions in videos and images, especially critical anomalies, immediately comprehending their significance and launching preprogrammed responses – all in a fraction of the time it takes the human eye to notice an issue.

Chooch services multiple industries – manufacturing, public sector, retail, telco, healthcare and many more across fortune 500 companies with leading partner including Microsoft, Deloitte, Nvidia, EY and HPE.



[hello@chooch.com](mailto:hello@chooch.com) // 1-800-997-0115 // [www.chooch.com](http://www.chooch.com)