

Crowdsourcing for Ethical AI

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Review

- Last week:
 - Subjective problems and applications with visual data
 - Crowdsourcing subjective opinions about visual data
- Assignments (Class Website & Canvas)
 - Project presentation due in two weeks
 - Final project report with code due in three weeks
- Next class (after Thanksgiving break)
 - Will be located in 5.522
- Questions?

Today's Topics

- Guest: Cheryl Martin from Alegion
- Computer Vision Largely Built on Crowdsourced Labor
- Class activity: Ethical Guidance of Crowdsourcing for Computer Vision?

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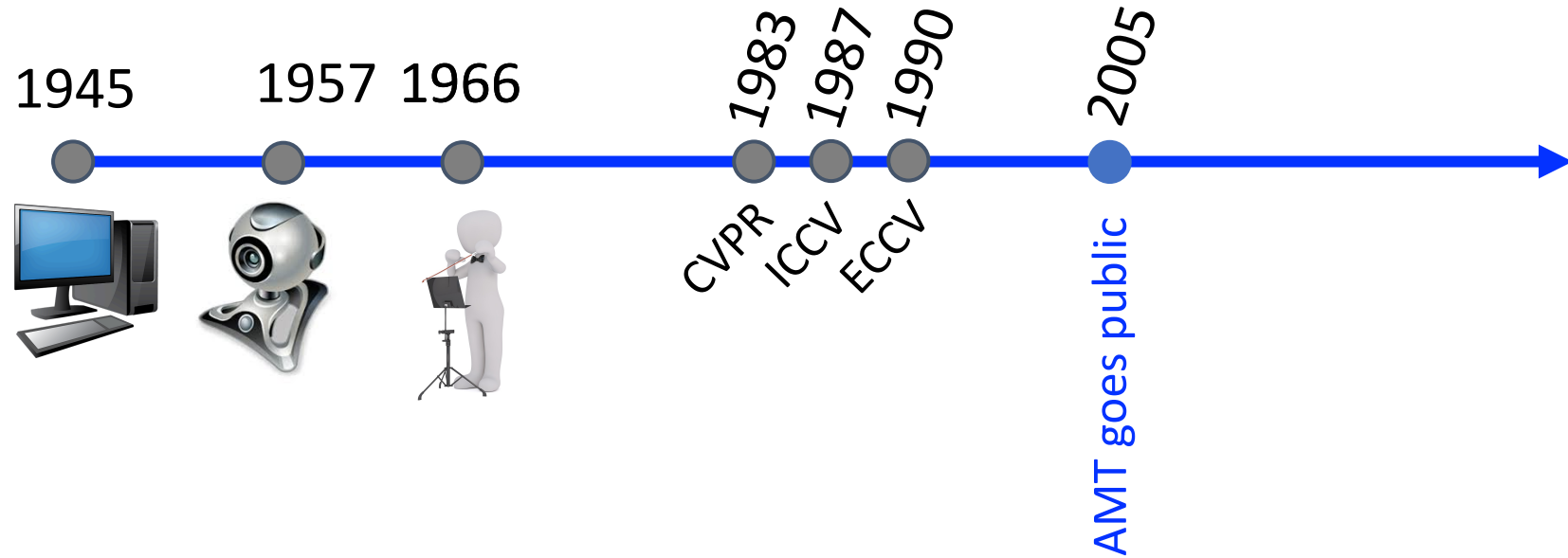
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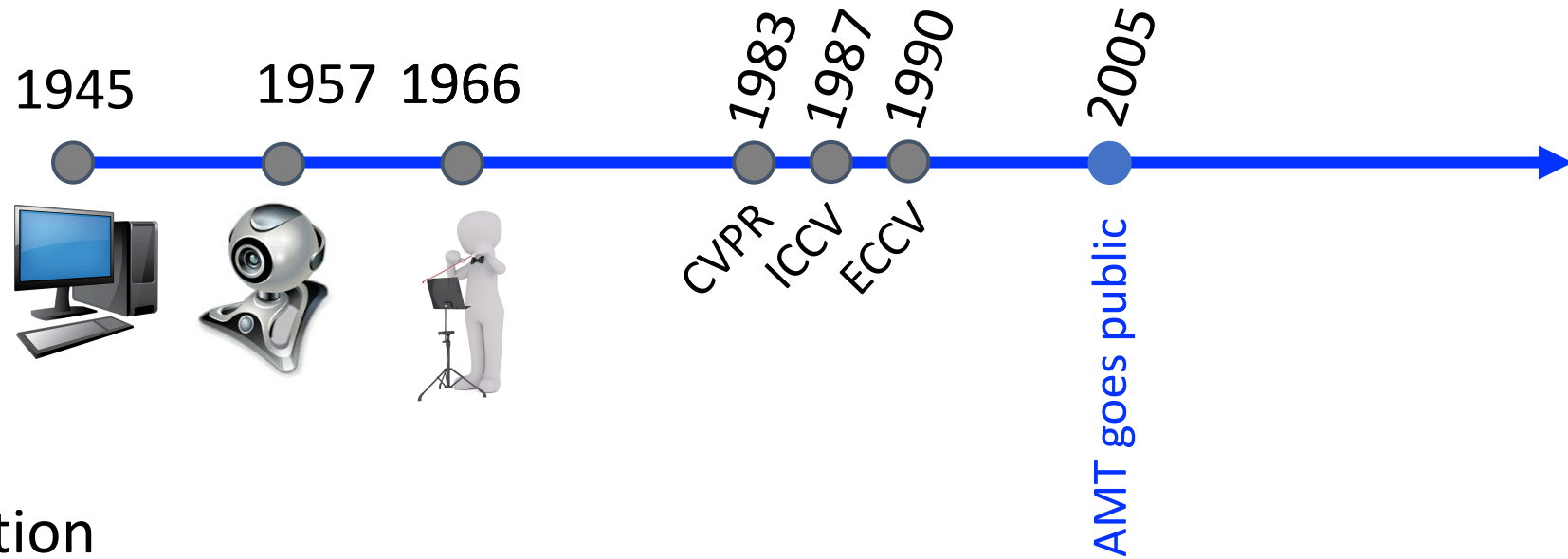
Recall: Crowdsourcing for Computer Vision

*Historical
Perspective:*



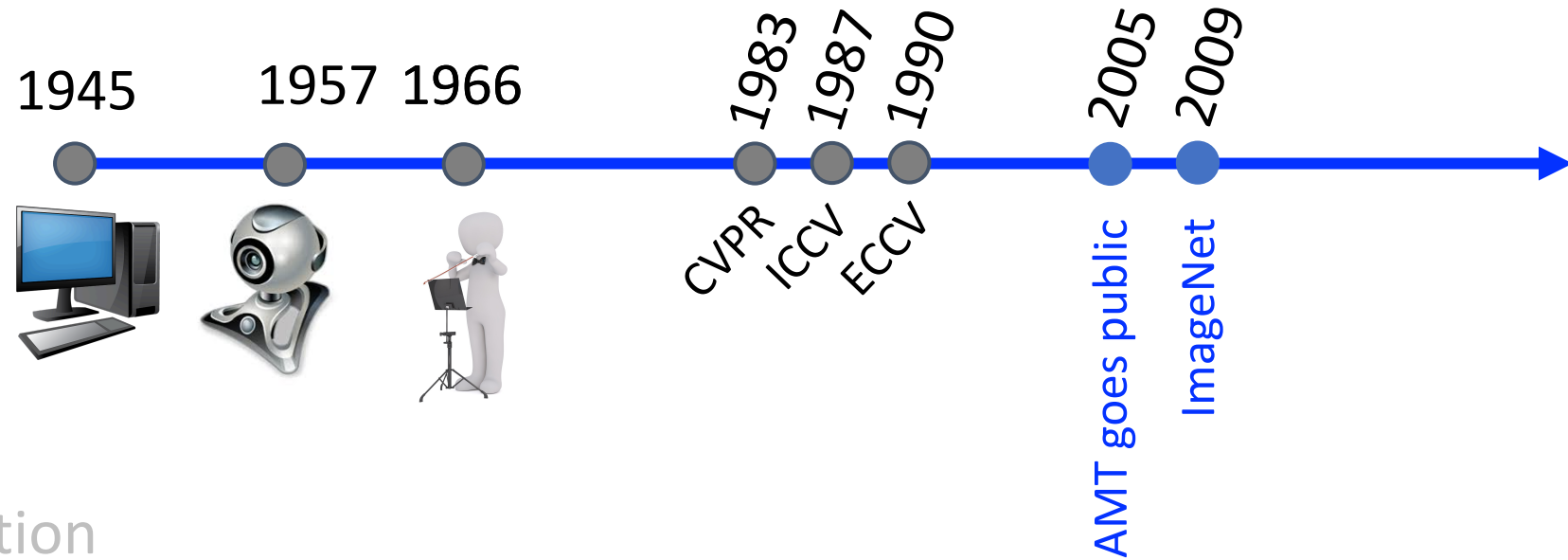
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- Object recognition
- Scene classification
- Attribute labeling
- Segmentation
- Object detection
- Image Captioning
- Activity/Event Recognition
- Object Tracking
- Visual Question Answering
- Subjective Problems
- And more...



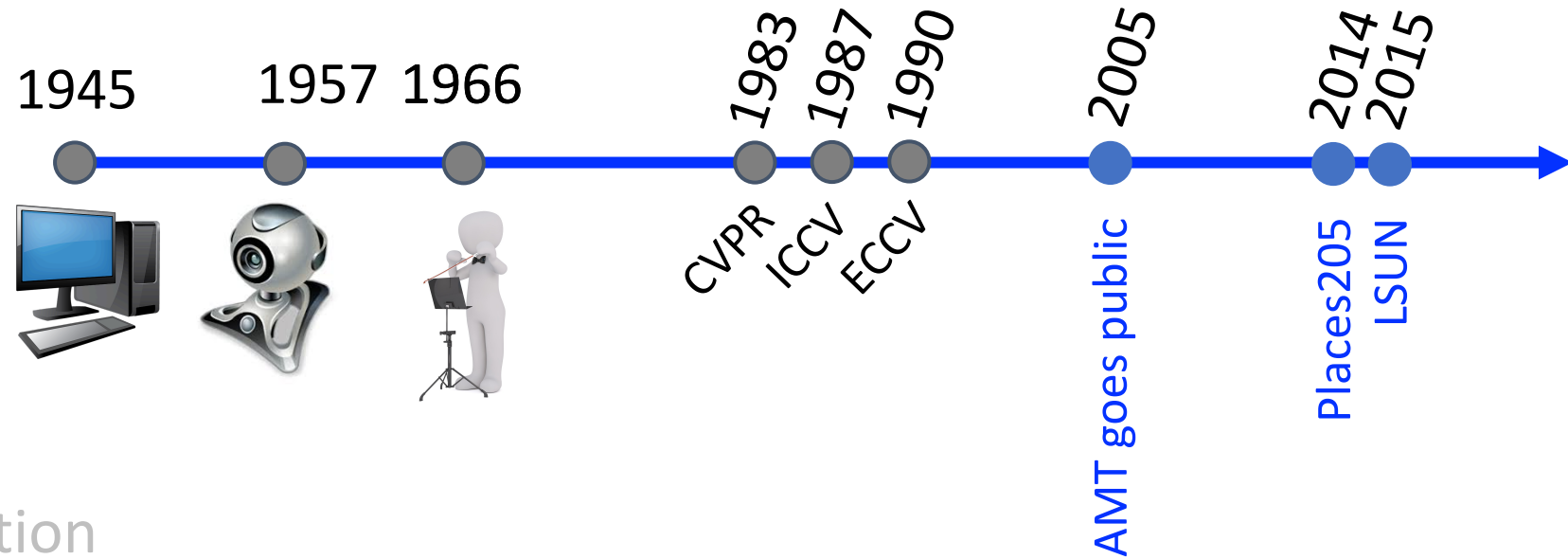
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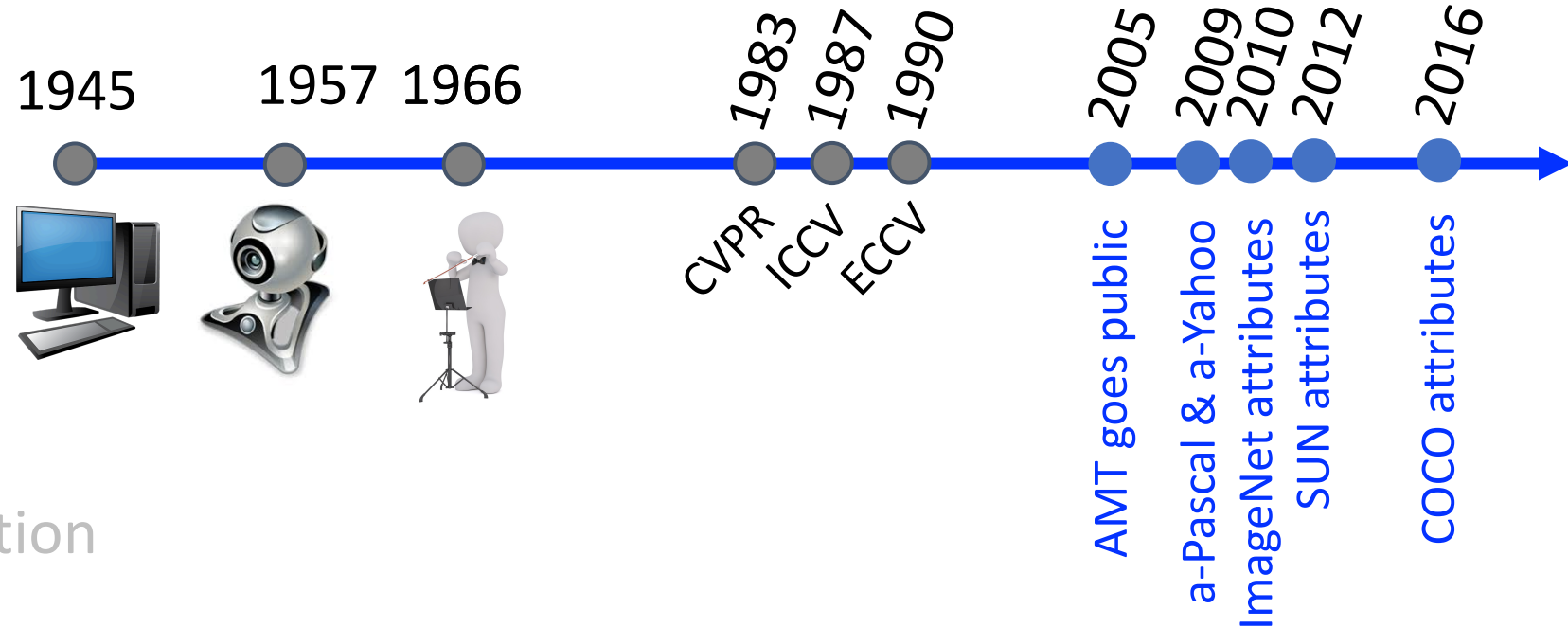
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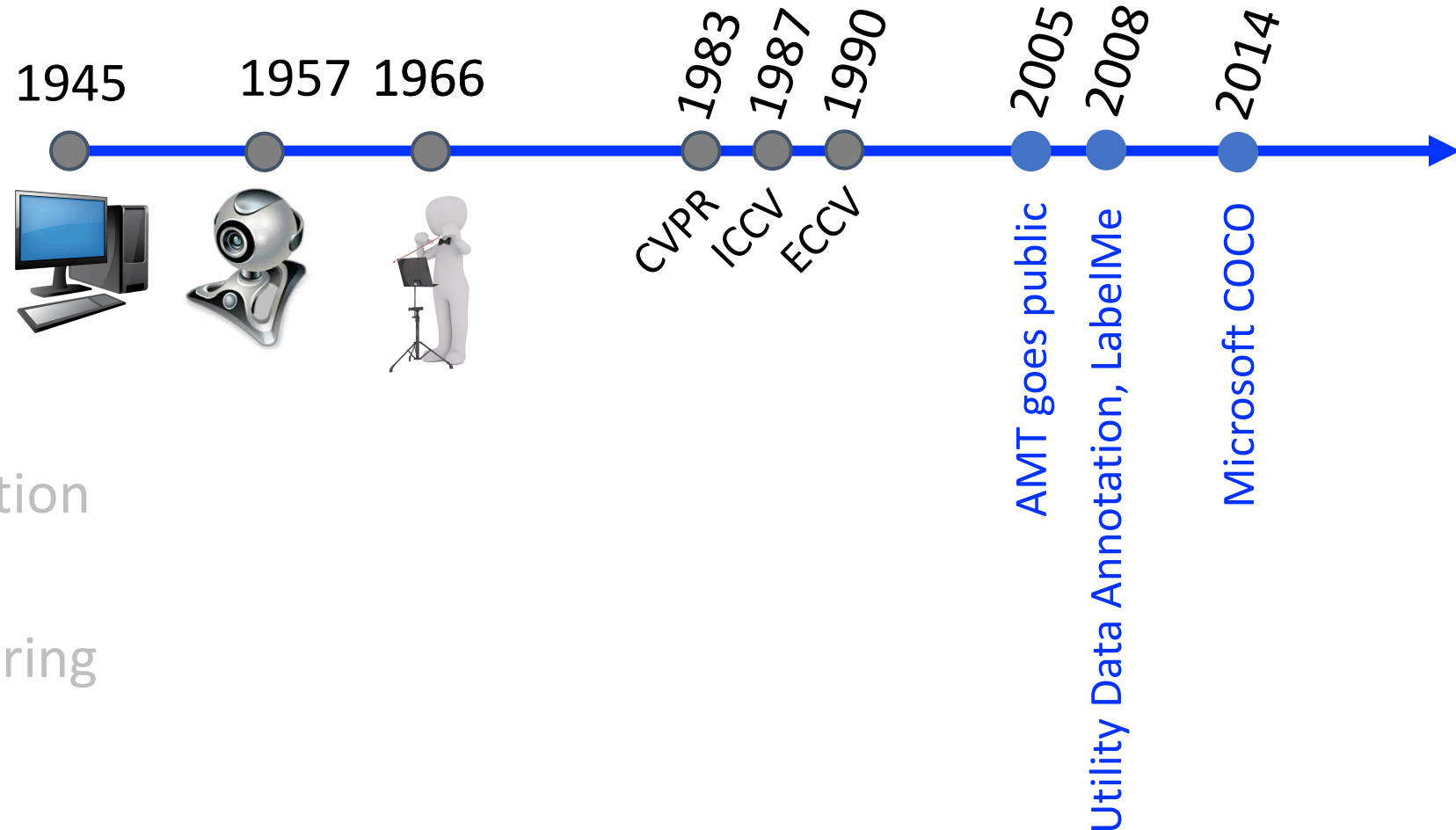
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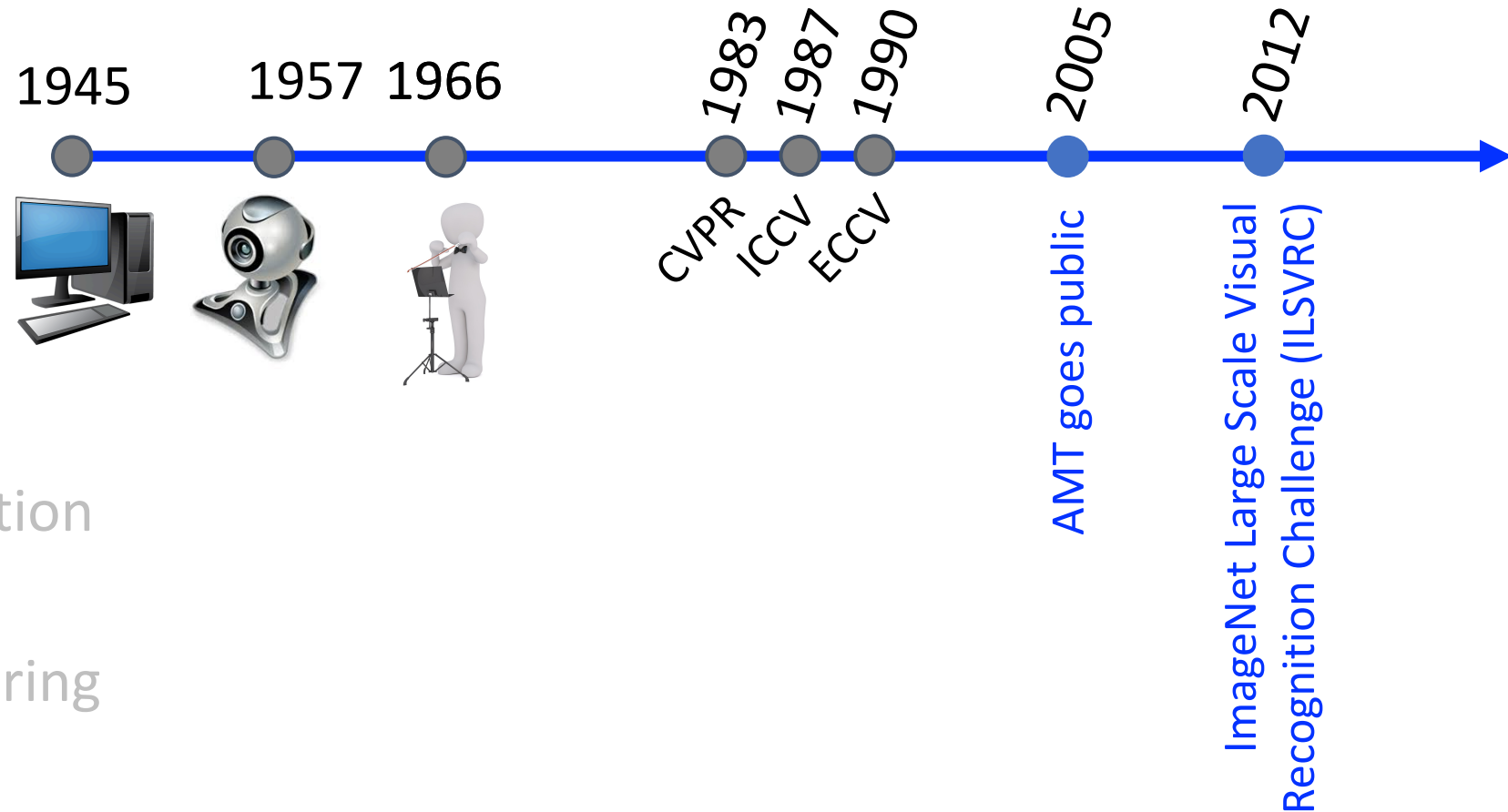
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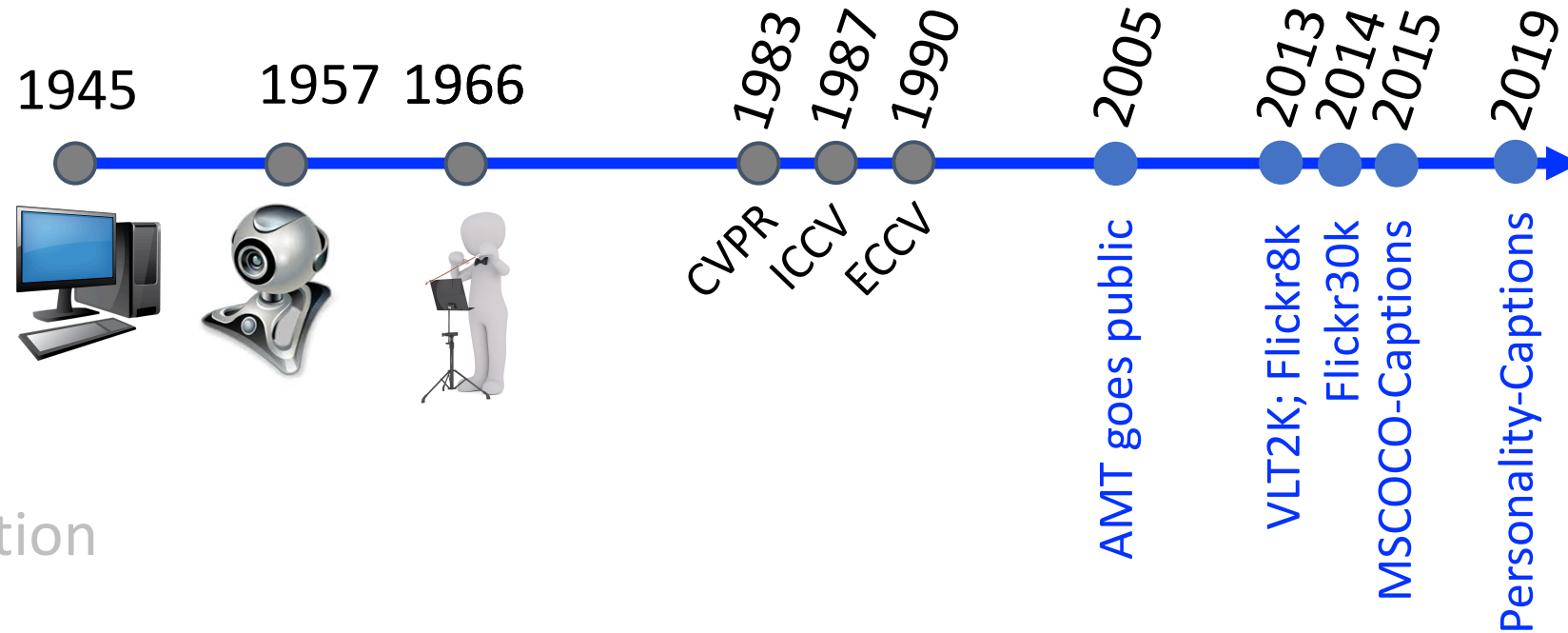
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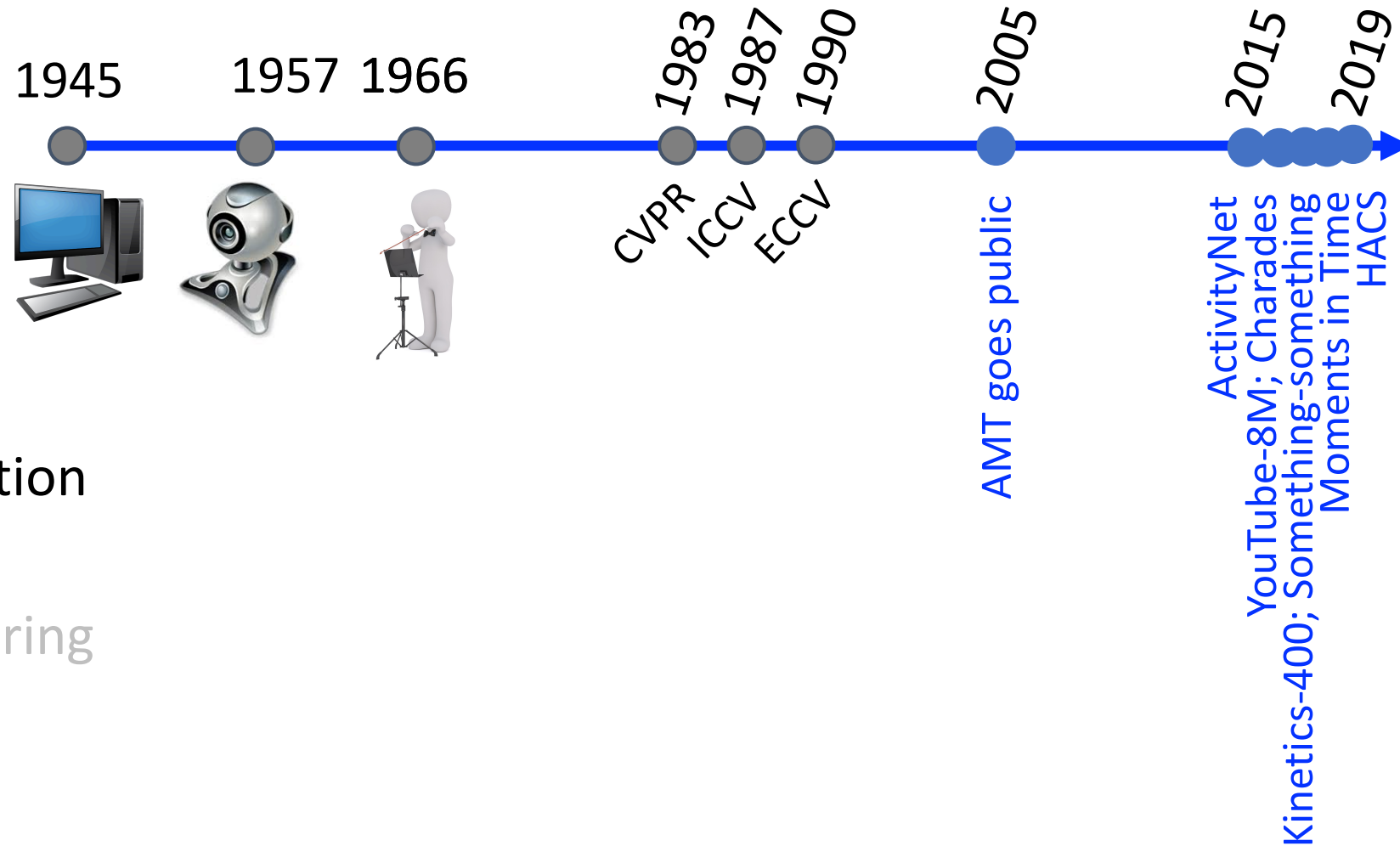
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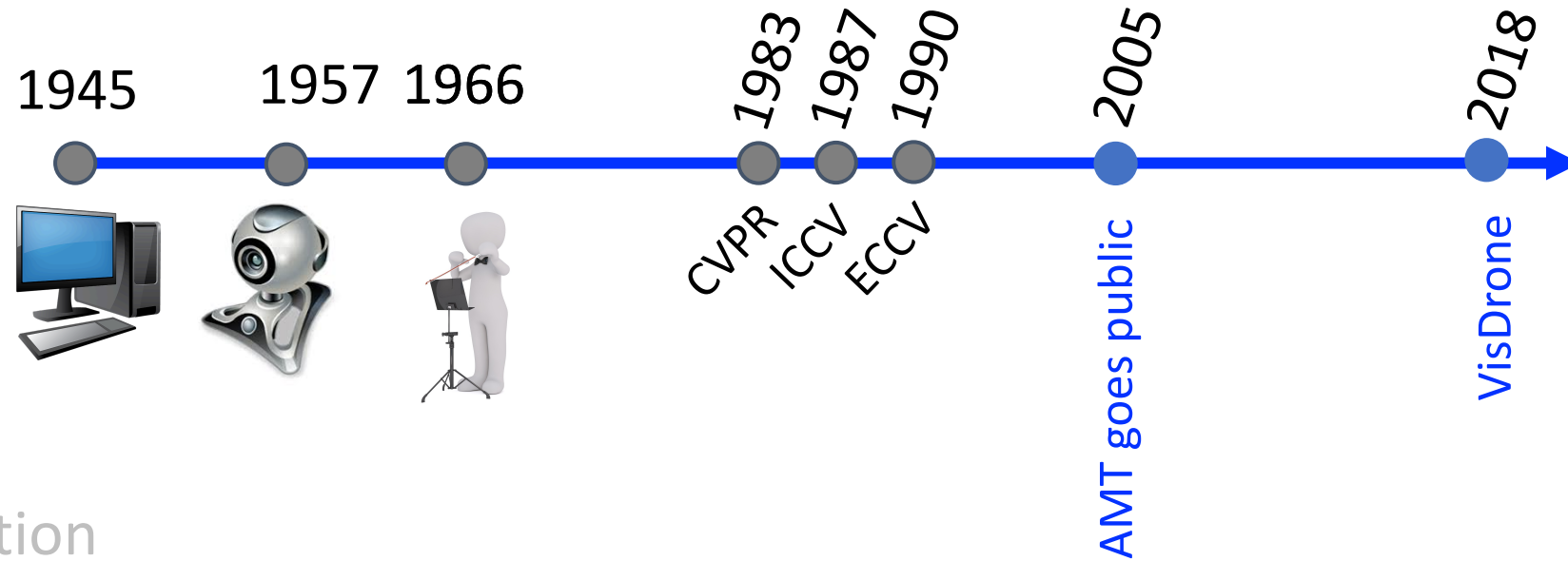
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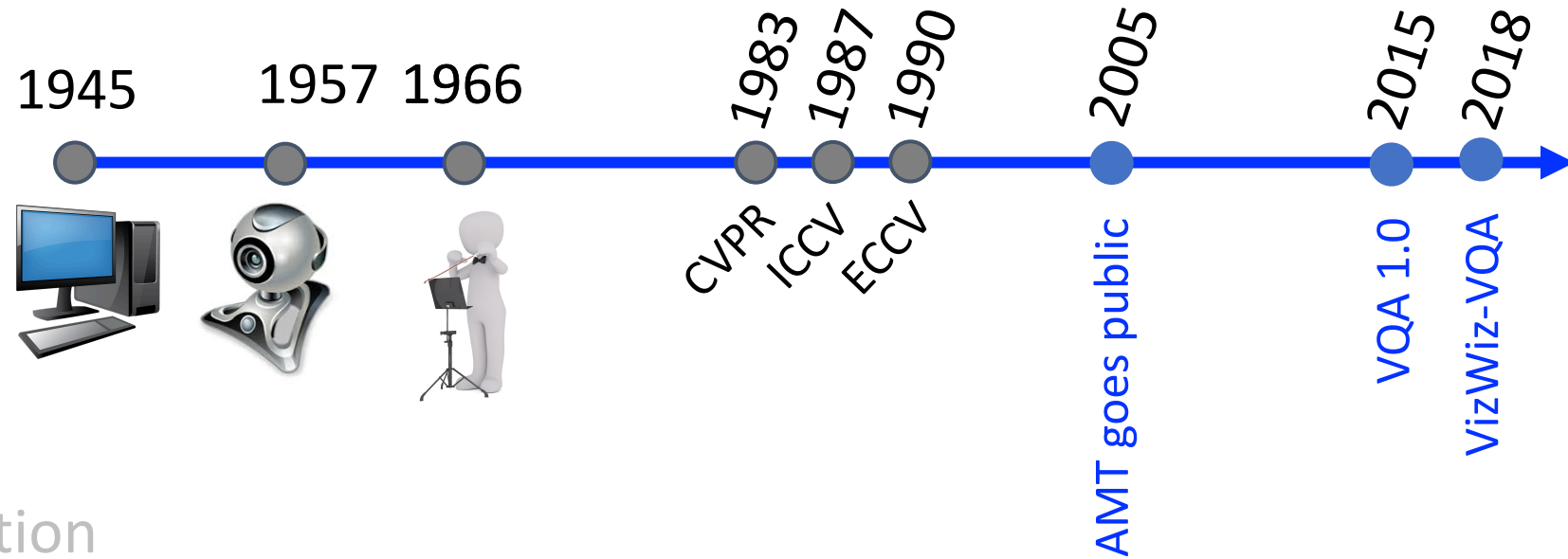
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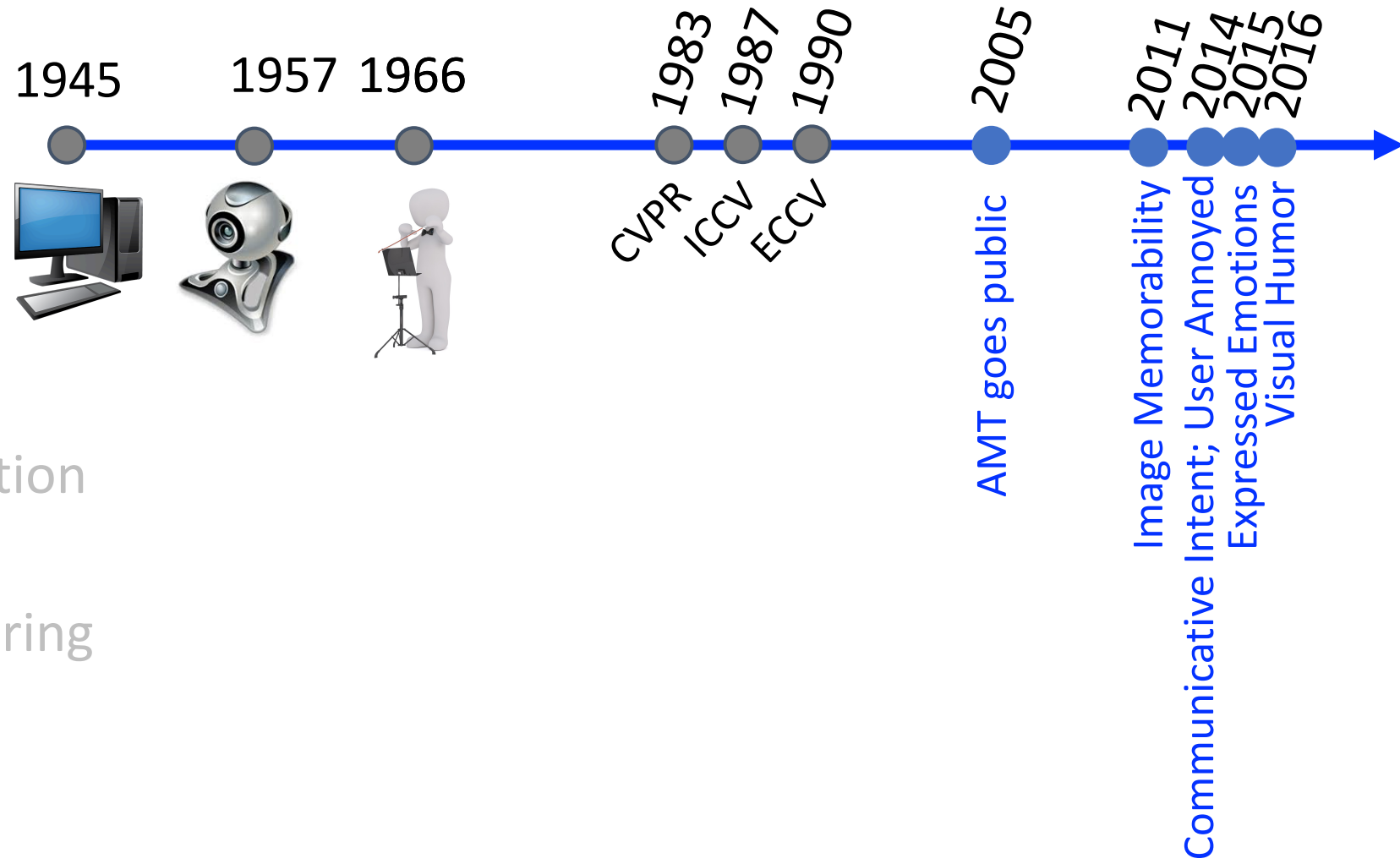
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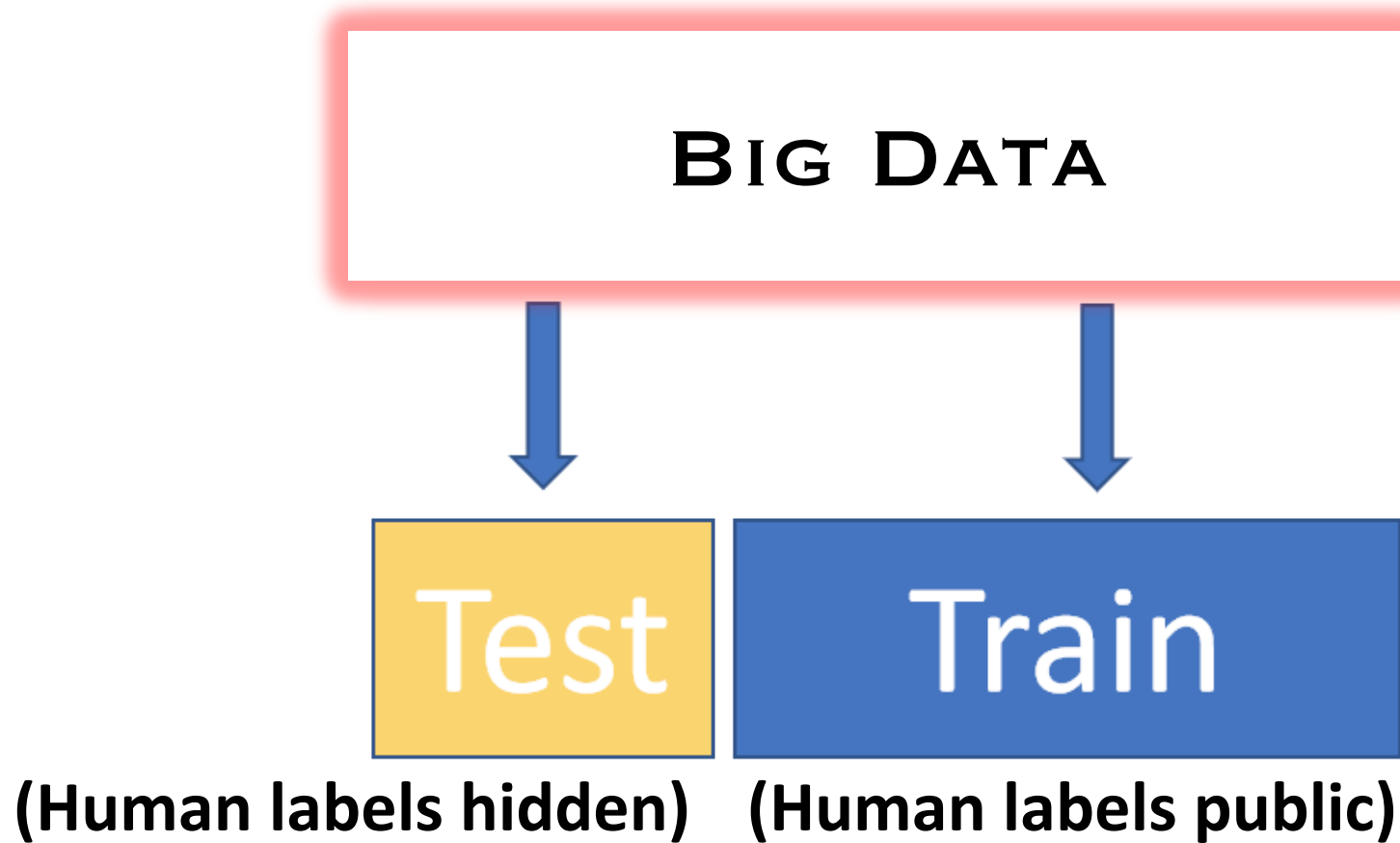
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CV Progress Driven & Measured by Challenges



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Winner: highest scoring method on the hidden test set

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Motivation: Guidance for AI Development

 SAP Leonardo Machine Learning


Machine Learning | AI Ethics and Society | Research

SAP's guiding principles for artificial intelligence (AI)


- Our Goals
- Guiding Principles**
- Advisory Panel
- Steering Committee
- White Paper
- Blogs




We are driven by our values




We design for people




We enable business beyond bias



We strive for transparency and integrity in all that we do



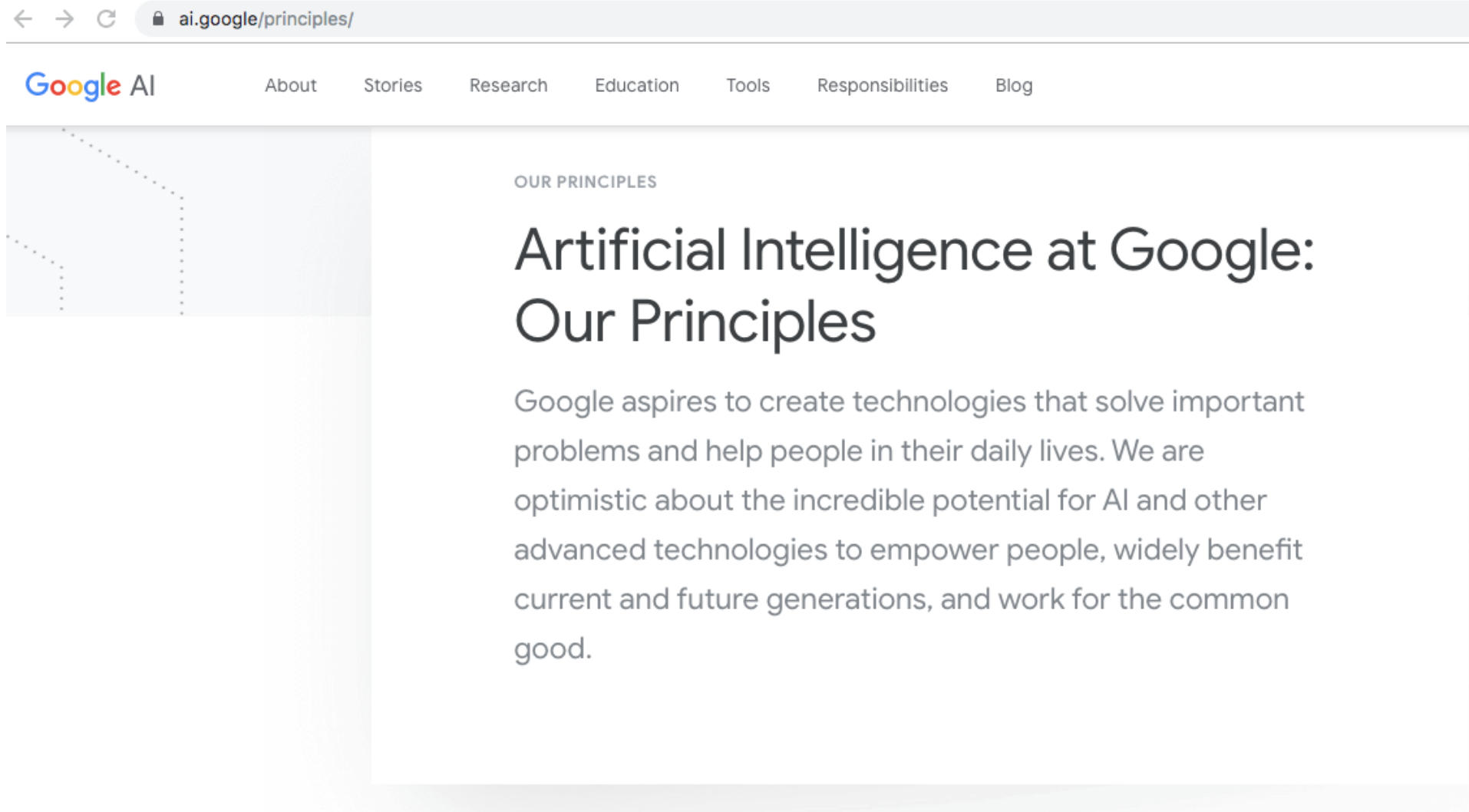
We uphold quality and safety standards



We place data protection and privacy at our core

<https://www.sap.com/products/leonardo/machine-learning/ai-ethics.html>

Motivation: Guidance for AI Development



<https://ai.google/principles/>