Adrien Gaidon, PhD

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Professional Experience

2025 - **Co-Founder, Stealth Startup**, *CA, USA*.
Co-founder at a Physical AI startup.

2021 - **Adjunct Professor, Stanford University**, *CA, USA*.
Co-lecturer for CS131: "Computer Vision: Foundations and Applications" and student advisor.

2024 - 2025 **Partner, Calibrate Ventures**, *CA, USA*.
Investor and advisor to early-stage deep tech AI & robotics startups (7 investments).

2023 - 2024 **Founder, Stealth Startup**, CA, USA.
Founder of a stealth startup in the Physical AI space.

2023 - 2025 **Technical Advisor to the CEO, TRI (Toyota Research Institute)**, CA, USA.
Technical Advisor to the CEO and the executive leadership team, focusing on AI and Robotics.

2017 - 2023 **Head of Machine Learning, TRI (Toyota Research Institute)**, CA, USA.
Leader of the ML org at TRI (Senior Scientist & Manager 2017-2019, Senior Manager 2020-2021, Director & Executive 2022-2023). Responsible for strategy, research, university collaboration, and tech transfer to build Toyota's ML foundations in Computer Vision, Autonomous Driving, and Robotics. Built and managed large teams of scientists and engineers. Developed and transferred state-of-the-art models and ML cloud infrastructure. Published more than 200 patents and scientific articles at top ML venues .

2013 - 2016 **Research Scientist, Computer Vision**, *XRCE (Xerox Research Center Europe)*, France.
Tech lead on deep learning for video understanding. Research and transfer of Computer Vision and ML algorithms. Pioneer in simulation for deep learning (CVPR'16 VKITTI paper cited 1,000+ times).

2008 - 2012 **Doctoral Researcher, ML for Computer Vision**, *Microsoft Research & Inria*, Paris, France.
Invented, implemented, and experimentally validated state-of-the-art Computer Vision and Machine Learning algorithms for action recognition in challenging real-world videos (e.g., movies, YouTube).

2008 **R&D Engineer in Computer Vision**, *LEAR team, Inria*, Grenoble, France.
Implementation in Python/C/C++ of event and object classification and detection algorithms. Participation to two international Computer Vision competitions: TRECVID and PASCAL VOC (winner of two tracks).

06-08/2007 **Research intern**, *Inria Rocquencourt*, Paris, France.
Structure learning of dynamic Bayesian networks using statistical tests and genetic algorithms.

Education

2008 - 2012 **PhD in Computer Science**, *Microsoft Research - Inria, Paris & LEAR Team, Inria Grenoble*, under the supervision of Cordelia Schmid and Zaid Harchaoui, in the fields of Computer Vision and Machine Learning. Title: *Structured Models for Action Recognition in Real-world Videos*.

2007 - 2008 **MSc in Artificial Intelligence**, *Institut Polytechnique (INP)*, Grenoble, France.

2005 - 2008 **Engineer Diploma in Computer Science and Applied Mathematics**, *ENSIMAG (Ecole Nationale Supérieure d'Informatique et de Mathématiques Appliquées de Grenoble)*, France.

2003 - 2005 **Classes Préparatoires MPSI et MP***, Clermont-Ferrand, France.

2003 **European Scientific Baccalaureate with distinction**, *equivalent to "A" levels.*

Awards

2023 Best paper award at the Learning for Dynamics & Control Conference (L4DC)

2021 Outstanding reviewer award at CVPR 2015, 2018, 2021

2020 Winner (with Blake Wulfe) of the NeurIPS 2020 ProcGen RL Competition , report

2020 Top 10% reviewer award at NeurIPS 2020

2018 COCO-Mapillary Competition Runner-Up at ECCV 2018

2015 Xerox Innovation Group President's Award for innovative research in Computer Vision

2008 Microsoft Research - Inria PhD scholarship grant

2008 Co-winner of the PASCAL VOC 2008 challenge on object classification and detection