Adrien Gaidon, PhD

✉ pro+cv@adriengaidon.com
🏠 adriengaidon.com

Professional Experience

2021 -   **Adjunct Faculty, Stanford University**, *CA, USA (Lecturer 2021-2022, Professor 2023-).*
Co-lecturer for CS131: "Computer Vision: Foundations and Applications" ↗ and student advisor.

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.

06-08/2006   **Research intern**, *LIG research lab, IMAG institute*, Grenoble, France.
Implementation (OCaml) of formal methods in the automatic proof research domain.

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*"**, *preparation courses (Mathematics and Physics) for the French "Grandes Écoles"*, 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

Activities

Check `https://adriengaidon.com` for an updated list of publications (cf. also Google Scholar ↗), talks, press coverage, workshops, and other news.