

Luca Bertinetto

RESEARCH SCIENTIST/ENGINEER · COMPUTER VISION, MACHINE LEARNING

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Education

University of Oxford

PH.D. (D.PHIL) IN COMPUTER VISION, MACHINE LEARNING

- Focus on one-shot learning and object tracking.

Oxford, UK

Oct. 2014 - present

Telecom ParisTech + Politecnico di Torino (double degree)

M.Sc. IN COMPUTER SCIENCE, ENGINEERING

- 110/110

Paris, FR + Torino, IT

Sep. 2010 - Mar. 2013

Politecnico di Torino

B.Sc. IN COMPUTER SCIENCE, ENGINEERING

- 104/110

Torino, IT

Sep. 2007 - Sep. 2010

Experience

Twitter Inc.

RESEARCH SCIENTIST (INTERN)

- Object tracking from a single point initialization.

London, UK

Jun. 2017 - Sep. 2017

Telecom Italia, Politecnico di Torino

RESEARCH ENGINEER

- Large scale image retrieval from video.

Torino, IT

May 2013 - Sep. 2014

SAP Research labs

WEB ENGINEER (INTERN)

- Creation of a mobile-tailored interface for the consumption and analysis of business queries.

Paris, FR

Jun. 2012 - Jan. 2013

Publications

REFEREED

- | | | |
|------|--|------------------|
| 2017 | End-to-end representation learning for Correlation Filter based tracking
J. Valmadre*, L. Bertinetto*, J. Henriques, A. Vedaldi, P. Torr
www.robots.ox.ac.uk/~luca/cfnet.html | CVPR, Honolulu |
| 2016 | Fully-Convolutional Siamese Networks for Object Tracking
L. Bertinetto*, J. Valmadre*, J. Henriques, A. Vedaldi, P. Torr
www.robots.ox.ac.uk/~luca/siamese-fc.html | ECCVw, Amsterdam |
| 2016 | Learning feed-forward one-shot learners
L. Bertinetto*, J. Henriques*, J. Valmadre*, A. Vedaldi, P. Torr
arxiv.org/abs/1606.05233 | NIPS, Barcelona |
| 2016 | Staple: Complementary Learners for Real-Time Tracking
L. Bertinetto, J. Valmadre, O. Miksik, S. Golodetz, P. Torr
www.robots.ox.ac.uk/~luca/staple.html | CVPR, Las Vegas |
| 2014 | Shot-based object retrieval from video with compressed Fisher Vectors
L. Bertinetto, A. Fiandrotti, E. Magli
porto.polito.it/2592668/1/1569925515.pdf | EUSIPCO, Lisbon |

TECHNICAL REPORTS

- | | |
|-----------|---|
| 2015 | The Importance of Estimating Object Extent when Tracking with Correlation Filters
L. Bertinetto, J. Valmadre, O. Miksik, S. Golodetz, P. Torr
www.robots.ox.ac.uk/~luca/stuff/report_oacf.pdf |
| 2015-2017 | The visual object tracking (VOT) challenge results
www.votchallenge.net |

Honors & Awards

2017	1st place , Visual Object Tracking - real-time challenge	<i>ICCV, Venice</i>
2015	Light Fellow Scholarship , St. Catherine's college	<i>Oxford</i>

Invited Talks

May 2017	Workshop in honour of Takeo Kanade	<i>Oxford</i>
Mar. 2017	REWORK Deep Learning in Healthcare Summit www.youtube.com/watch?v=jZoUaIMMZ_0&t=3s	<i>London</i>
Jan. 2016	British Machine Vision Association (BMVA) workshop	<i>London</i>
Oct. 2016	Visual Object Tracking (VOT) workshop	<i>ECCV, Amsterdam</i>
Sep. 2016	VALSE Webinar	

Referee Activity

TPAMI CVPR ICCV TCSVT TOM TIP

Skills

Programming	Python, Javascript, C/C++, Matlab, Java
Frameworks	PyTorch, TensorFlow, Matconvnet
Languages	Italian (mothertongue), English (proficient), French (intermediate)