Luca Bertinetto

RESEARCH SCIENTIST/ENGINEER · COMPUTER VISION, MACHINE LEARNING

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Education

University of Oxford *Oxford, UK*
PH.D. (D.PHIL) IN COMPUTER VISION, MACHINE LEARNING *Oct. 2014 - present*
- Focus on one-shot learning and object tracking.

Telecom ParisTech + Politecnico di Torino (double degree) *Paris, FR + Torino, IT*
M.SC. IN COMPUTER SCIENCE, ENGINEERING *Sep. 2010 - Mar. 2013*
- 110/110

Politecnico di Torino *Torino, IT*
B.SC. IN COMPUTER SCIENCE, ENGINEERING *Sep. 2007 - Sep. 2010*
- 104/110

Experience

Twitter Inc. *London, UK*
RESEARCH SCIENTIST (INTERN) *Jun. 2017 - Sep. 2017*
- Object tracking from a single point initialization.

Telecom Italia, Politecnico di Torino *Torino, IT*
RESEARCH ENGINEER *May 2013 - Sep. 2014*
- Large scale image retrieval from video.

SAP Research labs *Paris, FR*
WEB ENGINEER (INTERN) *Jun. 2012 - Jan. 2013*
- Creation of a mobile-tailored interface for the consumption and analysis of business queries.

Publications

PUBLICATIONS

2018	**Meta-learning with differentiable closed-form solvers**	*Pre-print*
	L. Bertinetto, J. Henriques, P. Torr, A. Vedaldi	
	www.robots.ox.ac.uk/~luca/r2d2.html	
2018	**Long-term tracking in the wild: a benchmark**	*ECCV, Munich*
	J. Valmadre*, **L. Bertinetto***, J. Henriques, R. Tao, A. Vedaldi, A. Smeulders, P. Torr, E. Gavves*	
	oxuva.net	
2017	**End-to-end representation learning for Correlation Filter based tracking**	*CVPR, Honolulu*
	J. Valmadre*, **L. Bertinetto***, J. Henriques, A. Vedaldi, P. Torr	
	www.robots.ox.ac.uk/~luca/cfnet.html	
2016	**Fully-Convolutional Siamese Networks for Object Tracking**	*ECCVw, Amsterdam*
	L. Bertinetto*, J. Valmadre*, J. Henriques, A. Vedaldi, P. Torr	
	www.robots.ox.ac.uk/~luca/siamese-fc.html	
2016	**Learning feed-forward one-shot learners**	*NIPS, Barcelona*
	L. Bertinetto*, J. Henriques*, J. Valmadre*, A. Vedaldi, P. Torr	
	arxiv.org/abs/1606.05233	
2016	**Staple: Complementary Learners for Real-Time Tracking**	*CVPR, Las Vegas*
	L. Bertinetto, J. Valmadre, O. Miksik, S. Golodetz, P. Torr	
	www.robots.ox.ac.uk/~luca/staple.html	
2014	**Shot-based object retrieval from video with compressed Fisher Vectors**	*EUSIPCO, Lisbon*
	L. Bertinetto, A. Fiandrotti, E. Magli	
	porto.polito.it/2592668/1/1569925515.pdf	

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

2018	**Finalist**, STEM for Britain @ House of Commons	*London*
2017	**1st place**, Visual Object Tracking - real-time challenge	*ICCV, Venice*
2015	**Light Fellow Scholarship**, St. Catherine's college	*Oxford*

Invited Talks

May 2017	Workshop in honour of Takeo Kanade	*Oxford*
Mar. 2017	REWORK Deep Learning in Healthcare Summit	*London*
	www.youtube.com/watch?v=jZoUalMMZ_0&t=3s	
Jan. 2016	British Machine Vision Association (BMVA) workshop	*London*
Oct. 2016	Visual Object Tracking (VOT) workshop	*ECCV, Amsterdam*
Sep. 2016	VALSE Webinar	

Referee Activity

TPAMI	NIPS	CVPR	ICCV	TOM	TIP

Skills

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