Dumitru Erhan

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Education

2006—2011 **Université de Montréal (UdeM), Canada**

Doctor of Philosophy (PhD) in Computer Science (Informatique) with Yoshua Bengio
Thesis: Understanding deep architectures and the effect of unsupervised pre-training

2004—2006 **Université de Montréal**

Master of Science (MSc.) in Computer Science (Informatique) with Yoshua Bengio
Thesis: Collaborative filtering techniques for drug discovery

2001—2004 **Jacobs University Bremen, Germany**

Bachelor of Science (BSc.) in Electrical Engineering & Computer Science with Herbert Jaeger
Thesis: Combining Echo-State Networks with gradient-descent RNN learning

Work experience

August 2012—present : Research Scientist at **Google, San Francisco (CA), USA**: Part of the Google Brain team, working at the intersection of computer vision, robotics, reinforcement learning, semi-unsupervised learning and domain adaptation. From 2012–2015, a research engineer on the Google Photos team, working on object recognition, object detection, photo search.

March 2011—August 2012 : Scientist at **Yahoo! Labs, Sunnyvale (CA), USA**: Solving the problem of *federated search*: automatically learn from click data what type of content to slot where on the search results page. Deciding this in real-time (20ms). Product was live and serving 100% of Yahoo Search US traffic ($10^7 - 10^8$ queries per day), improving user metrics and revenue considerably.

Research Internships

Summer 2008, 2009, 2010 Google Research, Mountain View (CA), USA, with Samy Bengio.

Summer 2006 **Microsoft Research Cambridge, UK** with Ralf Herbrich and Thore Graepel.

Summer 2004 **Max-Planck Institute for Biological Cybernetics, Tübingen, Germany**, with Arthur Gretton.

Summer 2003 **Helsinki University of Technology, Helsinki, Finland** with Jaakko Hollmén

Peer-reviewed publications

An up-to-date list of my 50 publications can be found on **Google Scholar**.

Service

- Area chair for ICLR 2017 & 2018, NeurIPS 2017 & 2018, ICML 2019

- Reviewer for all major conferences in machine learning since 2009: ICML, IJCAI, ICLR, NeurIPS, AISTATS.

- Reviewer for Journal of Machine Learning Research (JMLR), Computational Chemistry, Pattern Recognition Letters, Neural Computation and other leading journals in the field.

- Organized the ICML 2013 "Challenges in Representation Learning" workshop in Atlanta, Georgia (June 2013).