Louis de Thanhoffer de Volcsey, Ph.D

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Summary

Mathematical researcher with a passion for machine learning, looking to make a difference by combining a deep understanding of mathematical foundations together with a hands-on approach to the modeling challenges of tomorrow.

Skills

Matlab, Python, TensorFlow, HTML/CSS, LaTeX.
English (fluent), French (native), Dutch (native), Hebrew (learning).

Projects

A ConvNet for image recognition — repository
A classifier for discerning forgery in banknotes — repository

Experience

Postdoctoral fellow at University of Toronto, ON, CAN — July 2015-present
Department of Computer and Mathematical Sciences

- Head instructor for 7 major courses ranging from cryptography to numerical linear algebra and advanced calculus.
- Author of a number of articles published in top tier journals. — list

Program associate at UC Berkeley, CA, US. — Spring 2013
Mathematical Sciences Research Institute

- Part of a handful of junior scientists globally selected to advance current research in algebra and geometry.

Doctoral candidate at University of Hasselt, BE — Oct. 2009-June 2015
Faculty of Pure and Applied Mathematics

- Course instructor, senior thesis advisor and teaching assistant.
- Invited speaker at AIM (Stanford, US.), IHP (Paris, Fr.), RIMS (Kyoto, JAP.), MFO (Oberwolfach, GER.), and Maxwell (Edinburgh, UK.).

Education

Certificate in Machine Learning.

- *Udacity* Machine learning engineering Nanodegree. — August 2017
- *Coursera* Machine learning program. — Aug 2016

Ph.D. in Pure Mathematics, University of Hasselt, BE. — May 2015

- *Received honorable mention from the jury.*
- Thesis in noncommutative geometry led to new developments in string theory.

M.Sc. in Pure Mathematics, University of Antwerp, BE. — May 2009

- *Summa cum laude.*

B.Sc. in Mathematics, Universtiy of Antwerp, BE. — May 2007

- *Magna cum laude.*