

PORTFOLIO	Muse, your personal museum guide — repository <ul style="list-style-type: none"> Built a recommendation system to make museums more user-friendly and suggest a new advertising strategy. Implemented a deep learning model using transfer learning on an existing CNN to detect image similarity with 78% accuracy. Deployed a web app through Flask hosted on Heroku. — link
	ToxPost, how toxic is an online comment? — repository <ul style="list-style-type: none"> Applied various NLP techniques (Tf-Idf, GloVe) on a corpus of Youtube comments to create a bespoke word embedding. Trained an LSTM that describes toxicity with 80% accuracy.
EXPERIENCE	Fellow at Insight, Toronto, ON, CAN. 2019–present <i>Data Science stream</i> <ul style="list-style-type: none"> Quickly acquired the technical skills necessary to build end-to-end ML pipelines, from the exploration/analysis of data to the design/optimization of a model and the development of a polished front-end.
	Postdoctoral Fellow at University of Toronto, ON, CAN. 2015–2018 <i>Department of Computer and Mathematical Sciences</i> <ul style="list-style-type: none"> Applied techniques from category theory in new ways and gained a deeper understanding of intricate geometric patterns. Modernized both the teaching methods and curriculum as head coordinator for 9 math courses (with an enrollment of up to 300⁺ and support team of 10⁺), yielding one of the highest approval ratings in the department.
	Programme Associate at UC Berkeley, CA, US. 2013 <i>Mathematical Sciences Research Institute</i> <ul style="list-style-type: none"> Collaboration with international experts on current problems in the field of algebraic geometry resulted in 2 publications in tier one articles.
	Doctoral Candidate at University of Hasselt, BE. 2009–2015 <i>Faculty of Pure and Applied Mathematics</i> <ul style="list-style-type: none"> Thesis in noncommutative geometry led to new developments in string theory. Invited as plenary speaker to institutes around the world including AIM (Stanford, U.S.), IHP (Paris, Fr.), RIMS (Kyoto, JAP.), MFO (Oberwolfach, GER.), and Maxwell (Edinburgh, U.K.).
SKILLS	<ul style="list-style-type: none"> classification/regression/clustering, NLP, (Conv./Rec.)NNs, dimension reduction. Python, TensorFlow/Keras, Scikit-Learn, Pandas, html/css/js/php. Stochastic methods, (Bayesian) statistics, linear algebra, calculus, graph theory. English (fluent), French (native), Dutch (native).
EDUCATION	<ul style="list-style-type: none"> Ph.D. in Mathematics, University of Hasselt, BE. 2015 M.Sc. in Pure Mathematics, University of Antwerp, BE. 2009 B.Sc. in Mathematics, University of Antwerp, BE. 2007 Certification in Machine Learning Engineering, Udacity. 2017