

Federico Bergamin

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I am a second year PhD student in probabilistic machine learning at DTU Compute (started in October 2020, expected graduation September 2023), interested in deep generative models, variational inference, representation learning, and self-supervised and unsupervised learning. I am working together with Jes Frellsen, Pierre-Alexandre Mattei, and Søren Hauberg. Prior to this, I have spent almost two years as Research Assistant at DTU where I developed materials for two new B.Sc. courses in machine learning and I was involved in different projects with external industrial partners.

EDUCATION	Technical University of Denmark (DTU) <i>PhD student in Probabilistic Machine Learning</i> Cognitive Systems Section with Jes Frellsen, Pierre-Alexandre Mattei and Søren Hauberg Mostly focusing on deep generative models	Oct. 2020 - Present
	University of British Columbia Study Abroad - GoGlobal Exchange Program Faculty of Computer Science	Aug. 2017 - Dec. 2017
	Technical University of Denmark (DTU) M.Sc. in Computer Science and Engineering Study line: Artificial Intelligence and Algorithms	Sept. 2016 - Aug. 2018
	University of Padua B.Sc. in Computer Engineering	Oct. 2012 - Mar. 2016
POSITIONS	Technical University of Denmark (DTU) <i>Research assistant.</i> Cognitive Systems Section with Lars Kai Hansen, Søren Hauberg and Jes Frellsen Developed lecture notes and exercises for two new courses	Feb. 2019 - Aug. 2020
	Technical University of Denmark (DTU) <i>Research assistant.</i> Automation and Control Section Supervisor: Silvia Tolu Exploratory research in deep reinforcement learning	Nov 2018 - Feb 2019
TEACHING	Technical University of Denmark (DTU) <i>Teaching Assistant</i> in Bayesian Machine Learning	Spring Semester 2022
	<i>Teaching Assistant</i> in Deep Learning for continuing education	December 2021
	<i>Teaching Assistant</i> in Introduction to Machine Learning	Fall Semester 2021
	<i>Teaching Assistant</i> in Signal and Data	Spring Semester 2021, 2019
	<i>Teaching Assistant</i> in Active Machine Learning and Agency	Spring Semester 2020
SUMMER SCHOOLS	ELLIS Cambridge Summer School, University of Cambridge	2022
	Regularization Methods for Machine Learning, University of Genova,	2021
	Sequential Monte Carlo Methods Course, Linköping University,	2018

ACADEMIC COMMUNITY	Co-Organizer of CogSys Talks, machine learning talks, DTU Compute Volunteer for Generative Models and Uncertainty Quantification workshop, DTU	2020-2021 2019
TALKS	INRIA Maasai Research Team, Inria Sophia-Antipolis DTU, MSc Course “AI and multi-agent systems”	2022 2019
PUBLICATIONS	F. Bergamin*, P. A. Mattei*, J. D. Havtorn, H. Senetaire, H. Schmutz, L. Maaløe, S. Hauberg, J. Frellsen. Model-agnostic out-of-distribution detection using combined statistical test. <i>Proceedings of the 25th International Conference on Artificial Intelligence and Statistics (AISTATS)</i> , 2022. * indicates equal contribution	
GRANTS AND SCHOLARSHIPS	Luciano Iglesias Foundation Merit Scholarship <i>Scholarship by Luciano Iglesias Foundation for the best BSc graduates in Computer Engineering in the academic year 2016 at University of Padua.</i>	2017
TECHNICAL SKILLS	Python, PyTorch, Tensorflow, Julia, Java, R	
LANGUAGES	Italian – Mother tongue, English – Advanced, German – Basic, once fluent.	
REFERENCES	Jes Frellsen, Assoc. Prof. at Technical University of Denmark (DTU), Copenhagen. Pierre-Alexandre Mattei, Research scientist, Inria Sophia-Antipolis, Nice. Søren Hauberg, Professor at Technical University of Denmark (DTU), Copenhagen.	