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) Oct. 2020 - Present
PhD student in Probabilistic Machine Learning
Cognitive Systems Section
with Jes Frellsen, Pierre-Alexandre Mattei and Søren Hauberg
Mostly focusing on deep generative models

University of British Columbia Aug. 2017 - Dec. 2017
Study Abroad - GoGlobal Exchange Program
Faculty of Computer Science

Technical University of Denmark (DTU) Sept. 2016 - Aug. 2018
M.Sc. in Computer Science and Engineering
Study line: Artificial Intelligence and Algorithms

University of Padova Oct. 2012 - Mar. 2016
B.Sc. in Computer Engineering

POSITIONS

Technical University of Denmark (DTU) Feb. 2019 - Aug. 2020
Research assistant. Cognitive Systems Section
with Lars Kai Hansen, Søren Hauberg and Jes Frellsen
Developed lecture notes and exercises for two new courses

Technical University of Denmark (DTU) Nov 2018 - Feb 2019
Research assistant. Automation and Control Section
Supervisor: Silvia Tolu
Exploratory research in deep reinforcement learning

TEACHING

Technical University of Denmark (DTU)
Teaching Assistant in Bayesian Machine Learning Spring Semester 2022
Teaching Assistant in Deep Learning for continuing education December 2021
Teaching Assistant in Introduction to Machine Learning Fall Semester 2021
Teaching Assistant in Signal and Data Spring Semester 2021, 2019
Teaching Assistant in Active Machine Learning and Agency Spring Semester 2020

SUMMER SCHOOLS

Human-in-the-loop and Learning With Limited Labels, Technical University of Denmark 2022
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	Reviewer for AISTATS	2022
	Co-Organizer of CogSys Talks, machine learning talks, DTU Compute	2020-2021
	Volunteer for GenU 2019 workshop, DTU	2019
TALKS	Danish Data Science Conference, Billund	2022
	INRIA Maasai Research Team, Inria Sophia-Antipolis	2022
	DTU, MSc Course "AI and multi-agent systems"	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.
Proceedings of the 25th International Conference on Artificial Intelligence and Statistics (AISTATS) , 2022.
* indicates equal contribution

GRANTS AND SCHOLARSHIPS	Luciano Iglesias Foundation Merit Scholarship	2017
	Scholarship by Luciano Iglesias Foundation for the best BSc graduates in Computer Engineering in the academic year 2016 at University of Padova.	

TECHNICAL SKILLS   Python, PyTorch, Tensorflow, Julia, Java, R

LANGUAGES   **Italian** – Mothertongue, **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.