Peter Ebert Christensen

Copenhagen, Denmark
Linkedin: pebertc
Phone: +45 30626462
Email: peter_ebert@live.dk

Education

University of Copenhagen, ELLIS Ph.D. Student
10/01/2021-01/28/2025, Copenhagen Denmark

Major in Natural Language Processing, Advisor: Serge Belongie, part of ELLIS PhD program which pairs outstanding students with leading academic ML researchers in Europe. I wrote 5 papers, 2 published in WACV (1 being in top 2% best papers), 1 HCOMP WiP and 1 in submission for NAACL

DTU, Msc. in Mathematical Modelling and Computing
02/04/2019- 07/01/2021, Copenhagen Denmark
Major in Machine Learning, Advisor: Ole Winther, I co-authored an IEEE paper.

University of California, Berkeley, Msc exchange
01/21/2020- 05/15/2020, Berkeley California USA

Recipient of the Fintech Scholarship, only 20 were ever given. I co-authored a NeurIPS paper, the most prestigious ML conference, with Prof. Dawn Song.

DTU, Bcs. in Mathematics and Technology
09/14/2015- 01/29/2019, Copenhagen Denmark

Major in Machine Learning

Publications

A Template Is All You Meme
L Bates, PE Christensen, P Nakov, I Gurevych, https://arxiv.org/abs/2311.06649

Prompt, Condition, and Generate: Classification of Unsupported claims with In-Context Learning
P.E Christensen, S. Yadav, S. Belongie, https://arxiv.org/abs/2309.10359

Assessing Neural Network Robustness via Adversarial Pivotal Tuning of Real Images
P.E Christensen, V. Snæbjarnarson, A. Dittadi, S. Belongie, S. Benaim, WACV 2024 (Oral, top 2%)
https://arxiv.org/abs/2211.09782, website: https://captaine.github.io/apt/

Searching for Structure in Unfalsifiable claims
P.E Christensen, F. Warburg , M. Jia, S. Belongie, HCOMP 2022, https://arxiv.org/abs/2209.00495, website: https://captaine.github.io/Searching-for-Structure-in-Unfalsifiable-Claims/

Volumetric Disentanglement for 3D scene manipulation
S. Benaim, F. Warburg *, P.E Christensen *, S. Belongie, WACV 2024,, https://arxiv.org/abs/2206.02776, website: https://sagiebenaim.github.io/volumetric-disentanglement/

Synthesize, Execute and Debug: Learning to Repair Neural Program Synthesis
K. Gupta, P.E Christensen, X Chen, D Song, Neural Information Processing Systems 2020, https://arxiv.org/abs/2007.08095

A Deep Learning Approach to Short Term Blood Glucose Prediction on Continuous Glucose Monitoring Data
A. Mohebbi, A. Johansen, N. Hansen, P.E Christensen, M.Jensen, J. Tarp, H. Bengtsson, M. Mørup. . Engineering in Medicine and Biology Society (IEEE-EMBC 2020), http://dx.doi.org/10.1109/EMBC44109.2020.9176695

Autoencoding unidirected molecular graphs with neural networks
J.J.W Olsen, P.E Christensen, M.H. Hansen, A. R. Johansen, https://arxiv.org/abs/2001.03517

Experience

Amazon, Applied Scientist Intern
07/29/2024-11/01/2024
Location: Santa Clara, California USA, 2795 Augustine Dr
Working on web agents for workflow automation. Submitted a patent as a result of my work.

Amazon, Applied Scientist Intern
09/11/2023-12/15/2023
Location: Seattle, Washington USA, 500 Boren Ave N Ste 100
Working on image segmentation for enhancing image quality of Amazon's products, improved a production pipeline by 20 percentage points. Made a ACVC style paper aimed at Amazon's internal conference as a result of my work.

University of Copenhagen, Research Assistant
10/01/2021-08/30/2022,
Location: Copenhagen Denmark, Universitetsparken 1
I developed a clustering algorithm for narrative discovery, the paper was accepted at HCOMP wip. I authored a paper on NeRFs published at WACV.

Corti.ai, Machine Learning Engineer
08/16/2020-09/30/2021,
Location: Copenhagen Denmark, Store Strandstraede 21
I rewrote the production code from Tensorflow 1 to Tensorflow and decreased the time to train the main product, an ASR model, from 2 months to 2 days.

Talks

(Invited talk) Introduction to Reinforcement Learning, Neural 2019

(Invited talk) Learning the language of molecules, Neural 2019

Awards, Service & Visa

ELLIS Ph.D. Scholarship (2022-2025)

Part of the ELLIS Ph.D. Program with Prof. Serge Belongie as advisor and Prof. Iryna Gurevych as co-advisor

Fintech Scholarship / Spar Nord foundation (2020)

Scholarship for the best MSc students in Denmark to study for 1 semester at UC Berkeley. Only 20 people have ever received this scholarship.

Assisted Reviewer Nature Machine Intelligence (03/12/2023)

I assisted Prof. Gurevych with reviewing a paper for Nature Machine Intelligence.

Teaching

Vision and image processing, University of Copenhagen 2022,2024

02456 Deep Learning, Technical University of Denmark 2019-21