



My Journey so far





Mercedes-Benz

Bachelor Computer Science

- Cooperative study program with Mercedes Benz (Germany)
- Focus on autonomous driving



Master Artificial

Intelligence

Focus on NLP and generative ML



Qualcomm

PhD AI/ML

- Cooperation Qualcomm/UvA
- Causal ML

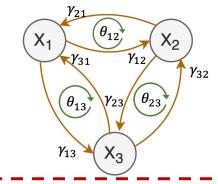
2015





2018

2020



2023

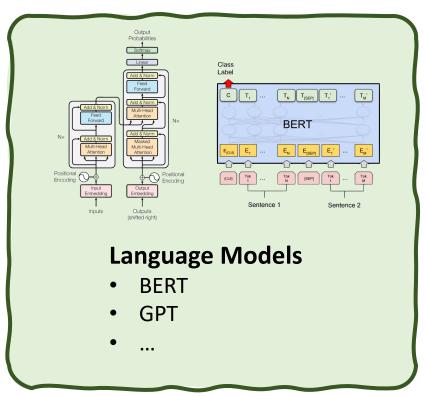
Al's Journey so far (simplified)

2015



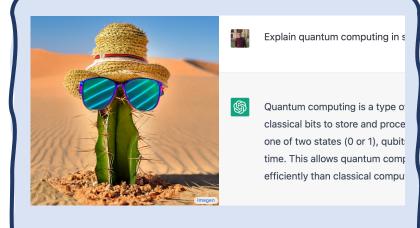
ImageNet classification

- GoogleNet
- ResNet
- ..



2018

2020 2023



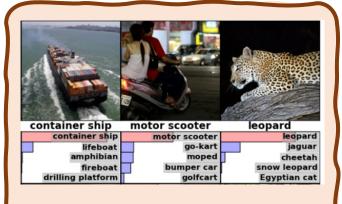
(Multimodal) Generative Models

- Imagen
- ChatGPT
- ..

Al's Journey so far (simplified)

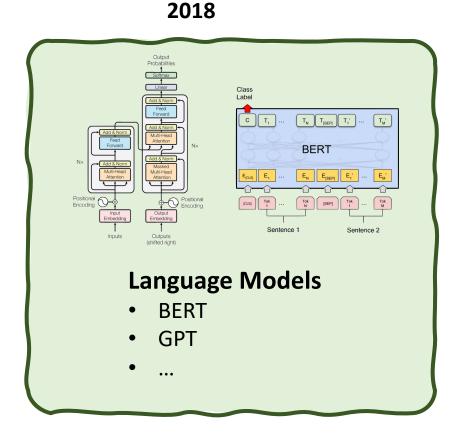


2015

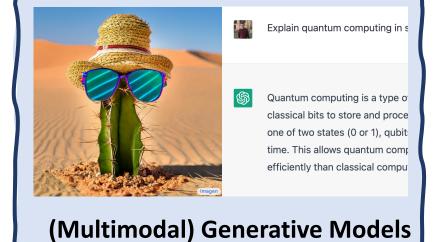


ImageNet classification

- GoogleNet
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- ..



2020 2022



Imagen

ChatGPT

Al in Amsterdam





























Taco S. Cohen University of Amsterdam

Max Welling





Published as a conference paper at ICLR 2015

ADAM: A METHOD FOR STOCHASTIC OPTIMIZATION

University of Amsterdam, OpenAI dpkingma@openai.com

Jimmy Lei Ba* University of Toronto

Auto-Encoding Variational Bayes

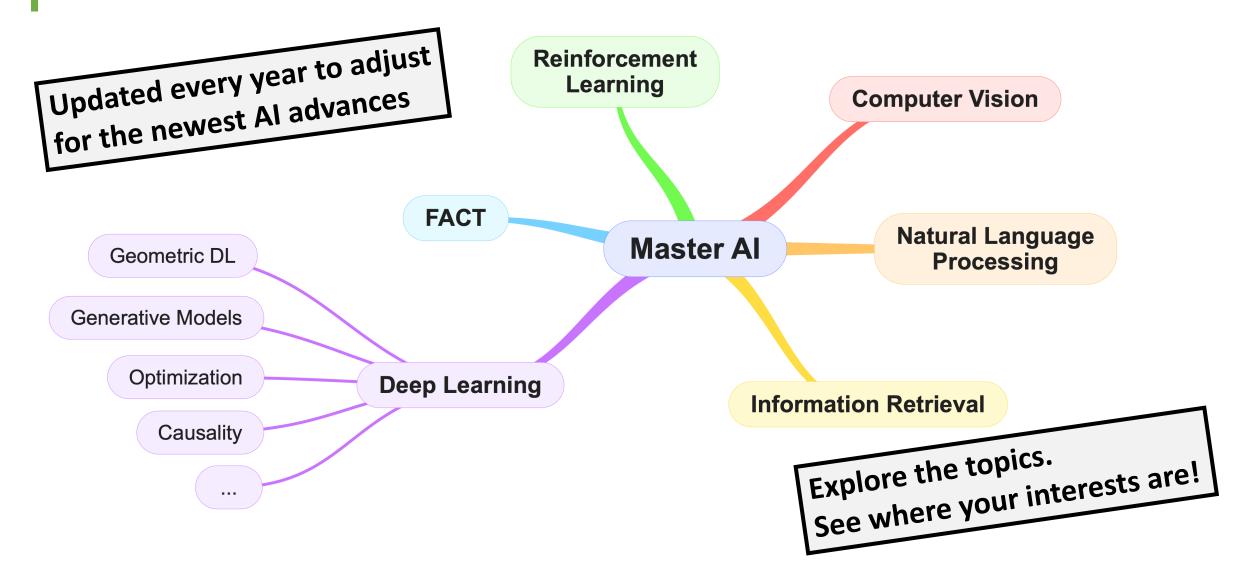
Diederik P. Kingma Machine Learning Group Universiteit van Amsterdam

Max Welling Machine Learning Group Universiteit van Amsterdam Group Equivariant Convolutional Networks

T.S.COHEN@UVA.NL

M.WELLING@UVA.NL

Breadth of topics in the master



Projects along my master



(Part-time) Research Assistant

₩ Nov 2018 – Jun 2019

Artificial Intelligence for high-order automated theorem proving.



(Full/Part-time) Research Assistant

iii Jul 2019 – Dec 2019

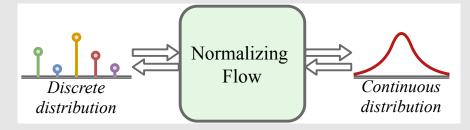
Research in dialogue systems to conduct human-like conversation with NNs.
Publication: Simultaneously Improving Utility and User Experience in Dialogue Systems



Master Thesis – Categorical Normalizing Flows

₩ Nov 2019 – Jul 2020

Research in invertible generative models for discrete data



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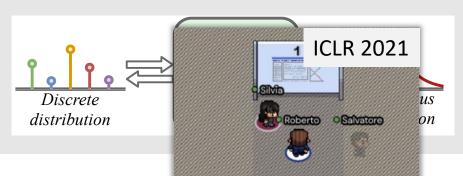
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Published as a conference paper at ICLR 2021

CATEGORICAL NORMALIZING FLOWS VIA CONTINU-OUS TRANSFORMATIONS

Phillip Lippe
University of Amsterdam, QUVA lab

Efstratios Gavves
University of Amsterdam
egavves@uva.nl

Opportunities after the Master Al

- PhD at UvA or other universities internationally
- Several AI companies are in Amsterdam (but not limited to)
 - You do many projects in the Master AI, make sure to show them!
- Start-up village





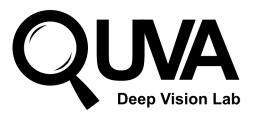




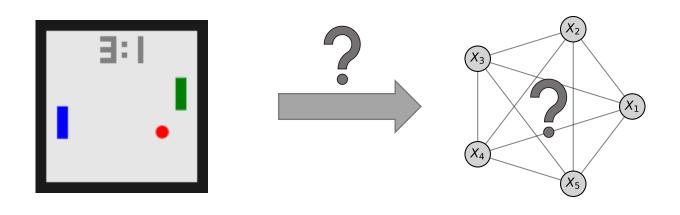








- QUVA lab (ELLIS), supervised by Efstratios Gavves and Taco Cohen
- Joined directly after Masters, 2 years in, 2 years to go
- Main topic: Intersection of Causality and ML/DL, Causal Representation Learning
- Great research environment, great opportunities





Thanks!

Questions?

Feel free to reach out:





