

LEONARD ADOLPHS

PhD Student in Machine Learning

@ ladolphins@inf.ethz.ch

📍 Zurich, Switzerland

🌐 leox1v.com

🔗 github.com/leox1v

EDUCATION

PhD Student in Machine Learning

Data Analytics Lab, ETH Zurich

📅 Aug. 2018 – Present

📍 Zurich, Switzerland

M.Sc. Computer Science

ETH Zurich

📅 Sep. 2016 – May 2018

📍 Zurich, Switzerland

B.Sc. Electrical Engineering

Karlsruher Institute of Technology

📅 Sep. 2013 – July 2016

📍 Karlsruhe, Germany

EXPERIENCE

Research Intern

Facebook AI Research (FAIR)

📅 Jul. 2022 - Oct. 2022

📍 New York, USA

Research Consultant

Google AI

📅 Jan. 2022 - Jun. 2022

📍 Zurich, Switzerland

Research Intern

Facebook AI Research (FAIR)

📅 Jul. 2021 - Oct. 2021

📍 Remote

- Working on knowledge-infused conversational agents.

Research Consultant

Google AI

📅 Jan. 2021 - Jun. 2021

📍 Zurich, Switzerland

Research Intern

Google AI

📅 Mar. 2020 - Oct. 2020

📍 Zurich, Switzerland

- Working on open domain question-answering using recent RL methods.

iOS Software Engineer

sovanta AG

📅 Jul. 2015 - Nov. 2016

📍 Heidelberg, Germany

TEACHING

Computational Intelligence Lab

🏛️ ETH Zurich

📅 2020 - 2023

- Head TA for the years 2021 and 2022 for a course of 250 students.

Natural Language Understanding

🏛️ ETH Zurich

📅 Spring 2019

Deep Learning

🏛️ ETH Zurich

📅 2018 - 2021

Machine Learning

🏛️ ETH Zurich

📅 2017

ACHIEVEMENTS

First TextWorld Problems: A Reinforcement and Language Learning Challenge

🏆 2nd place

📅 Aug. 2019

- I developed a deep reinforcement learning agent to solve a family of text-based games. The agent scored 2nd among more than 20 competitors.

German Golf Team Championships

🏆 1st place

📅 Aug. 2014

SKILLS

Python

●●●●●●

PyTorch, Tensorflow

●●●●●●

R, Objective-C, Swift

●●●●●●

German, English

●●●●●●

PUBLICATIONS

Boosting Search Engines with Interactive Agents

Leonard Adolphs, Benjamin Brschinger, Christian Buck, Michelle Chen Huebscher, Massimiliano Ciaramita, Lasse Espeholt, Thomas Hofmann, Yannic Kilcher, Sascha Rothe, Pier Giuseppe Sessa, Lierni Sestorain

 TMLR

 Jun. 2022

Calibration of Machine Reading Systems at Scale

Shehzaad Dhuliawala, Leonard Adolphs, Rajarshi Das, Mrinmaya Sachan

 ACL Findings 2022

 May 2022

Language models that seek for knowledge: Modular search & generation for dialogue and prompt completion

Kurt Shuster, Mojtaba Komeili, Leonard Adolphs, Stephen Roller, Arthur Szlam, Jason Weston

 Preprint

 Mar. 2022

Reason first, then respond: Modular Generation for Knowledge-infused Dialogue

Leonard Adolphs, Kurt Shuster, Jack Urbanek, Arthur Szlam, Jason Weston

 Preprint

 Nov. 2021

How to Query Language Models?

Leonard Adolphs*, Shehzaad Dhuliawala, Thomas Hofmann

 Preprint

 Aug. 2021

LeDeepChef – Deep Reinforcement Learning Agent for Families of Text-Based Games


Leonard Adolphs*, Thomas Hofmann

 AAAI 2020

 Sep. 2019

Ellipsoidal Trust Region Methods for Neural Network Training

Leonard Adolphs*, Jonas Kohler*, Aurelien Lucchi

 NeurIPS 19 Workshop

 May 2019

Beyond First Order Methods in ML

Local Saddle Point Optimization: A Curvature Exploitation Approach

Leonard Adolphs*, Hadi Daneshmand, Aurelien Lucchi, Thomas Hofmann

 AISTATS 2019

 Jun. 2018