

LEONARD ADOLPHS

PhD Student in Machine Learning

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📍 Zurich, Switzerland

🌐 leox1v.com

📄 github.com/leox1v

EDUCATION

PhD Student in Machine Learning

Data Analytics Lab, ETH Zurich

📅 Aug. 2018 – Present

📍 Zurich, Switzerland

- Research interests: Natural Language Understanding, Reinforcement Learning, Non-Convex Optimization

M.Sc. Computer Science

ETH Zurich

📅 Sep. 2016 – May 2018

📍 Zurich, Switzerland

- Focus on Data Science/ Machine Learning courses
- Thesis: Non Convex-Concave Saddle Point Optimization
- GPA: 5.71 / 6 (Very good)

B.Sc. Electrical Engineering

Karlsruher Institute of Technology

📅 Sep. 2013 – July 2016

📍 Karlsruhe, Germany

- GPA: 1.6 / 1.0 (good)

PUBLICATIONS

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

L. Adolphs*, T. Hofmann

📄 **AAAI 2020**

📅 Sep. 2019

Ellipsoidal Trust Region Methods for Neural Network Training

L. Adolphs*, J. Kohler*, A. Lucchi

📄 **NeurIPS 19 Workshop** 📅 May 2019

Beyond First Order Methods in ML

Local Saddle Point Optimization: A Curvature Exploitation Approach

L. Adolphs*, H. Daneshmand, A. Lucchi, T. Hofmann

📄 **AISTATS 2019**

📅 Jun. 2018

WORK EXPERIENCE

iOS Software Engineer

sovanta AG

📅 Jul. 2015 - Nov. 2016

📍 Heidelberg, Germany

- Three months internship followed by one year as a working student.
- Software design and development of native iOS and Android Apps for business customers.

TEACHING

Natural Language Understanding

🏛️ ETH Zurich

📅 Spring 2019

Deep Learning

🏛️ ETH Zurich

📅 Fall 2018 & 2019

Machine Learning

🏛️ ETH Zurich

📅 Fall 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

German Youth Golf State Championships

🏆 1st place

📅 Jun. 2011

SKILLS

Python

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PyTorch, Tensorflow

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R, Objective-C, Swift

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German, English

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