

Christopher Brix

Student at RWTH Aachen

Personal Info

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LinkedIn

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Skills

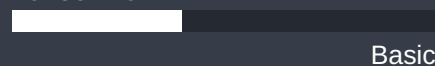
Python



C



TensorFlow



Languages

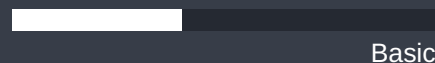
German



English



French



References

GitHub

<https://github.com/ChristopherBrix>

Computer Science student with focus on **machine learning**. Experienced in machine translation research using neural networks with **2 publications**. Evaluated the performance of a **novel network architecture** (2D-LSTM for NMT) during the bachelor thesis.

Education

Apr 2018 -
present

RWTH Aachen, Computer Science, M.Sc.

- Average grade after 2 semesters: 1.7

Oct 2014 -
Mar 2018

RWTH Aachen, Computer Science, B.Sc.

- Bachelor thesis "Extension of the Attention Mechanism in NMT", grade 1.2
- Seminar "Representation Learning", grade 1.3
- Minor in Business Administration
- Graduated with final grade 1.6

Publications

Oct 2018

Coauthored paper "Towards Two-Dimensional Sequence to Sequence Model in Neural Machine Translation", published in EMNLP 2018

Jun 2017

Coauthored paper "Empirical Investigation of Optimization Algorithms in Neural Machine Translation", published in the PBML

Experience

Nov 2016 -
present

Student Research Assistant

RWTH, Human Language Technology and Pattern Recognition, Professor Ney
Developed, implemented and evaluated alternatives for the attention mechanism in NMT

- Implemented Theano and TensorFlow support for two-dimensional LSTM using C/CUDA
- Independent research for optimal hyperparameters
- Integration into inhouse machine learning framework

Jul 2019

LxMLS, Monitor

Will help to organize the summer school, supervise and teach participating students

Jun 2018

LxMLS, Participant

Participated in the Lisbon Machine Learning Summer School

Apr 2016 -
Sep 2016

Tutor

RWTH, Data structures and algorithms

- Weekly training for students of the subject
- Grading of homework and exams
- Topics: Runtime analysis, formal proof of correctness, sorting algorithms

Honors

2016, 2018

Supported by the scholarship "Deutschlandstipendium"

2016, 2017

Member of the Dean's List

Additional Projects

Jan 2016 -
Jul 2016

Möbelfirst

Möbelfirst offers an online marketplace for exhibition furniture

- Programming of the online marketplace
- Self-responsible project planning

Aug 2012 -
Jun 2014

Own online economic simulation game

- Project planning and game design
- Guidance and training of the other 2 team members