Christopher Brix

Student at RWTH Aachen

Personal Info

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E-Mail
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LinkedIn
https://www.linkedin.com/in/christopher-brix

Skills

Python
Advanced

C
Good

TensorFlow
Basic

Languages

German
Mother tongue

English
Fluent

French
Basic

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