

YEYAO ZHANG

Computer Science Master Student at ETH (NLP & Machine Learning)

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EXPERIENCE

PhD Candidate

CGL, ETH Zurich

October 2018 – Now

Zurich, Switzerland

- The PhD project focus on the optimization of online Ads keywords bidding, in collaboration with a [Startup](#) in Zurich
- Research interests on the combination of [Recommender Systems](#) with [Knowledge Graphs](#), with GAN-based method

NLP Engineer

Disney Research Zurich

March 2018 – September 2018

Zurich, Switzerland

- [Automatic Screenplay Analysis for VR Stories Authoring](#)
- I worked for the NLP component in project CARDINAL, an internal platform dedicated to automatically transforming screenplays into pre-visualizations. CARDINAL has been nominated for the [Best of Disney Award](#) in the year of 2018.
- keywords: NLP/Text Simplification/NER/Correference Resolution/Spacy/OpenNMT/TF
- Publication: [Generating Animations from Screenplays](#)

ML/NLP Engineer

1plusX

July 2017 – January 2018

Zurich, Switzerland

- [Optimization of User Profiling in online Ads](#) context with NLP and Machine Learning
- Prototyping and experimentation of different neural models using Tensorflow and Spark ML
- Contribute production-quality Scala and Python code
- Routinely processing large amounts of data using Amazon Web Services
- ML/NLP/Spark ML/DL4J/Tensorflow/Gensim/Scala/Python/AWS

NLP Research Assistant

Department of Management, Technology and Economics

May 2016 – July 2017

Zurich, Switzerland

- Crawl, Clean, Analyze Openstack data based on Blueprints
- Scrapy/RNN/IR&NLP/Data Cleaning/hadoop/Stanford NLP/NLTK

Automatic Image Captioning

Computer Science Department, ETH Zurich

March 2016

June 2016

- Relate image and text embeddings using CNN (in tensorflow)
- Aim to automatically give precise captions to images

PUBLICATION

Generating Animations from Screenplays. Y. Zhang, et. al
*Proceedings of the Eighth Joint Conference on Lexical and Computational Semantics (*SEM 2019)* (Minneapolis, Minnesota, USA, June, 2019), pp. 292–307

EDUCATION

PhD. in Computer Science

ETH Zurich

Oct 2018 – Jan 2020

Quitted

Worked on the combination of Knowledge Graphs and Recommender Systems in online Ads optimization

M.Sc. in Computer Science

ETH Zurich

Sept 2015 – Sept 2018

Focus on Machine Learning and Natural Language Understanding

B.Sc. in Computer Science

Dalian University of Technology

Sept 2011 – July 2015

MOST PROUD OF

Best of Disney Award 2018
Nomination

China National Patents
4 pieces

Helvetic Coding Contest 2017
16th place

WORK STYLE

Target oriented

Eye for details

Team Player

Python

Tensorflow

PyTorch

Scala

Java

C++