

# Jianlong Yu

## Curriculum Vitæ

### Work Experience

2016

Software Developer  
developing neural nets for on-line handwriting recognition  
My bachelors thesis includes getting on-line data of handwritten mathematical symbols, preprocessing, extracting features and using neural nets to classify those symbols. The data was collected with [write-math.com](http://write-math.com). All results are available there, too.

2015

Software Developer  
improving KIT lecture translator  
I've implemented and integrated an unsupervised acoustic model training framework into KIT lecture translator system for automatic model adaption.

2014

### Future plans and motivation

The next step in my academic career is finishing the masters degree in computer science with a minor in mathematics. Besides my studies, I have built a machine learning students group called Machine Learning Karlsruhe ([ml-ka.de](http://ml-ka.de)). In this group we organize regular „Paper Discussion Groups“ in which we, talk about papers about convolutional networks. We want have regular talks about machine learning in general as well as practical sessions where we try to apply the algorithms.

### Education

from 2011 Master of Science  
Computer Science  
Karlsruhe Institute of Technology

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### Computer Skills

Basic Knowledge JavaScript  
Linux, SQL, PHP  
Intermediate Knowledge LATEX, Java, HTML  
Good Knowledge Python

### Language Skills

German mother tongue  
English Cambridge Certificate – C1  
French DELF A2

### Projects

Currently	A Survey of Semantic Segmentation
	writing a review paper about the work in the area
01/2016	Art in Machine Learning
	a little project to help people understand my fascination about the topic
05/2015	Semantic Segmentation with CNNs
	classifying street for self-driving cars
11/2013	Book about Geometry and Topology
	writing an introduction to geometry and topology !read more
06/2013	Interpolation
	creating an interactive HTML5/JS-example for
	interpolation !read more
06/2012	Matrix multiplication
	examining

algorithms and libraries for  
multiplication !read more  
09/2011 matrix  
martin-thoma.com Blogging on  
about Algorithms,  
the Web, University, ...  
06/2011 Community Chess  
This is a platform  
for programmers. They

can use the API to  
create A.I.s that play  
other. !read more chess against each

## Profiles

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GitHub  
<https://github.com/Prisoner0116>