CURRICULUM VITAE

Personal Information

Name	Haiqing Wang
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Education

2009 – Present

RWTH Aachen University, Aachen, Germany
Software System Engineering (M.Sc.)

Main Courses : Computer Vision, Machine Learning, Data Mining, Speech Recognition, Object Oriented Software Construction, Implementation of Databases

2009 – 2013

Sun Yat-sen University, Guangzhou, China
Information and Computational Science (B.Sc.)

Main Courses : Mathematical Analysis, Advanced Algebra, Numerical Analysis, Operating Systems, Data Structures and Algorithms, Information Theory

Knowledge and Skills

Programming Languages and Tools
Python, C/C++, Java, Scala, Go, Caffe, Spark, Shell

Foreign Languages (Mother tongue: Mandarin)
English: very good; German: basic

Honor

May 2011, First Prize
Guangdong Provincial Programming Contest of The ACM Asia Programming Contest

Experience

August 2015 – September 2016

Internship and Master Thesis, Fraunhofer IAIS - Knowledge Discovery Group, Bonn, Germany

Implementation polysemous word embedding algorithms on distributed computing framework.
Language and tools: Scala, Java, Spark
Report (Master Thesis):
github.com/whqwill/Resume/tree/master/m_thesis

October 2014 – August 2015

Student Assistant, RWTH Aachen University - Pattern Recognition Group, Aachen, Germany

Normalizing images by geometry transformation. Defining and training hierarchical Convolutional Neural Networks for image classification.
Language and tools: Python, C++, CUDA C, Caffe

March 2014 – September 2014

Student Assistant, RWTH Aachen University - Computer Vision Group, Aachen, Germany

Seeking, Compiling, and Testing Computer Vision related algorithms. e.g Semi-Global Matching (Depth Map), Tracking by Detection (Kalman filter)
Language and tools: C++, OpenCV

July 2012 – September 2012

Internship and Bachelor Thesis, Zhejiang University - Pervasive Computing Laboratory, Hangzhou, China

Applying Nonnegative Matrix Factorization on traffic data. Gaining vehicle driving features and using it to describe regional traffic situation.
Language and tools: C, MATLAB
Report (Bachelor Thesis):
github.com/whqwill/Resume/tree/master/b_thesis

Others

https://github.com/whqwill/Resume