Yuan Long

| *Current Position:* | ZTE Big Data Developer | *Phone:* | 18118801655 | *Site:* | [yiddishkop's blog](#) |
| *Applied For:* | ML Algorithm Engineer | *Add:* | NanJing | *Email:* | yiddishkop@163.com |

Summary

- 8+ years work experience in the fields of CS includes **Big Data Spark development** and **Machine Learning** technologies

- Good knowledge of Data Mining including **Perceptron, LR, GBDT, SVM, RandomForest**

- Good knowledge of Deep Learning including **CNN, RNN, GAN, LSTM**

- Good knowledge of Reinforcement Learning including **Q-learning, SARSA**

- Hands on experience in Machine Learning packages including **Numpy, Scipy, Matplotlib, Pandas, SparkML**

- Hands on experience in Machine Learning framework including **Scikit-learn, Tensorflow**

- Hands on experience in Spark ecosystem including **Spark, MapReduce, SparkSQL, SparkML**

- Hands on experience in RDD architecture, implementing **Spark** operations on RDD and optimizing transformations

- Hands on experience in **High Concurrency** by **Scala** and **AKKA**

- Experience in Functional Programming Language including **Scala, Lisp**

Technical Skills

Machine Learning Framework	**Spark Eco-system**
Numpy, Scipy, Matplotlib, Pandas, Scikit-learn, Tensorflow	Spark, SparkSQL, SparkML

Programming Language	**Machine Learning Algorithms**
Python, Scala, Java, C, lisp	LR, GBDT, SVM, RF, CNN, RNN, GAN, LSTM, Q-learning

Operating Systems	**Develop tools**
Linux, Mac OS	Emacs, Vim, Git

Work Experience

Big Data Developer - Spark, SparkML

*Time : 01/2017 to Present, **ZTE** - NanJing .*
Description : ZTE IPTV 'ZXCLOUD GoldenData' Big Data analytics platform.

- Migrated MapReduce jobs into **Spark RDD** transformations using Scala

- Worked with analytics team to build statistical models including **K-means, LR, GBDT** using **SparkML**

- Implemented Spark using **SparkSQL** for faster processing of data

- Developed Spark jobs to parse the **JSON** and **XML** data

- Optimizing of existing algorithms in Hadoop using Spark Context, **SparkSQL**, **Data Frame** and **Pair RDD**.

- Used **SBT** scripts to fetch, build, deploy application to development enviroment

Senior Software Developer - Embedded OS, C, Assembly Language

*Time : 01/2015 to 12/2016, **ZTE** - NanJing .*

Description : ZTE OS development of 'T800' Router, 'GPON9112/9113' Optical Network Terminals

- Refactored the existing **bootloader** using assembly language

- Completed API of the Routing Subsystem

- Completed API of SDRAM cache memory management

- Proposed and completed an **automatically testing framework** under secureCRT using python

- Completed coding of **AIO(Assynchronized Non-blocking I/O)** protocal — tr069

- Maintained makefile of project

J2EE Developer - Hibernate, Spring, Java

*Time : 07/2009 to 12/2014, **DaKun management consultants,inc** - ShenZhen .*

Description : DaKun is a start-up focuses on company management consulting, this project is a HR management system

- Website persistence layer development using **Hibernate** framework

- Developed database schema and **SQL** queries for querying, inserting and managing database

- Implemented various design patterns in the project such as **Builder, Singleton, Proxy patterns**.

- Performed unit testing using **JUnit**

Education

study program

	Master of Science	Computer Science	
	University	NanJing University of Science and Technology	

ML mooc courses

	NTU	ML Foundations & Technical	my lecNotes, HW, Final Project
	NTU	DL with deep and structured	my lecNotes, HW, Final Project
	Ucberkeley	cs-189: Intro to ML	my lecNotes, HW, Final Project
	Ucberkeley	cs-294: Deep Reinforcement Learning	my lecNotes, HW, Final Project
	Stanford	cs-20SI: DL with Tensorflow	my lecNotes, HW, Final Project