

SHANGWEN YAN

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EDUCATION

New York University Master of Science, Electrical Engineering Coursework: Machine Learning, Data Structure & Algorithms, Internet Architecture & Protocols	05/2019 Brooklyn, NY, U.S.
Beihang University Bachelor of Engineering, Electronic Information Engineering, GPA: 3.24/4 Outstanding Graduate, granted by Beihang University in January 2016	07/2016 Beijing, China

RELATED EXPERIENCES

ECE Department , New York University – <i>Graduate Assistant</i> <ul style="list-style-type: none">Working with ECE Faculty on designated research needs.	09/14/2017-Present Brooklyn, NY, U.S.
Tarena International Inc – <i>Software Engineer Intern</i> <ul style="list-style-type: none">Participated in the development of e-commerce platform “JingTao” with SSM framework	09/2016-08/2017 Beijing, China
Network Security Laboratory , Beihang University – <i>Research Assistant</i> <ul style="list-style-type: none">Participated in the design and production of the disposable password token, using assembly language	07/2015-08/2015 Beijing, China

ACADEMIC PROJECTS

Prediction of Robot Power Consumption (Python3, Anaconda, JupyterNotebook) <ul style="list-style-type: none">Labs including but not limited to LASSO, LR, Classification, Optimization, Tensorflow, etcPackages involved: sklearn, pandas, scipy, numpy, matplotlib, etcProject will be kept updating on https://github.com/Shangwen-Yan/Machine-Learning	09/2017-Present
Analysis of Browsing Data from Telecom Users (NIO, ZooKeeper, Hadoop, Spark, ECharts) <ul style="list-style-type: none">Processed data to analyze user’s favorite app, website, time online and places that surf most frequentlyDistributed design: one jobtracker converted data into object and distribute file split to next stage, two first-stage engines calculated data, one second stage engine merged and stored data to MySQL databaseVisualized data to form concise and elegant statistical graph with EChartsAlso have a standalone version using Spark RDD to implement the same function	06/2017
Collection & Analysis of Web Traffic Data (Hadoop, Flume, Kafka, Hive, MySQL) <ul style="list-style-type: none">Used JavaScript to make a request to log server after gathering website’s traffic data, such as pv, uv, vv, brLog4jAppender function in log server transmitted the data to Flume cluster (in avro form)Off-line data were saved in HDFS, processed in MR, Hive and stored in MySQL through SqoopReal-time data was transmitted to Kafka and calculated in Storm to realize monitor and alert function	04/2017-05/2017
E-Commerce Platform “JingTao” (Java, JavaScript, CSS, HTML, MySQL, Redis) <ul style="list-style-type: none">Developed backend logic with SSM framework(Spring, SpringMVC, MyBatis) in JAVA to access database and return processed data to the front pageDeployed wars on Linux, implemented load balance and high availability through Nginx in roll pollingImplemented cross-domain access through HttpClient and JSONPImproved SSO(Single Sign On) function with user’s ticket stored on RedisSelf-learned jQuery, zTree, AJAX, EasyUI skills to better fit the data format in frontend	01/2017-03/2017

TECHNICAL SKILLS

Programming Languages:	Java, Python, Shell, Scala, JavaScript, HTML, CSS, R, MATLAB
Operating Systems:	Windows, MacOS, Linux (CentOS)
Database Development:	SQL (MySQL, Oracle), NoSQL (HBase, Redis)
Frameworks:	SSM(Spring, SpringMVC, MyBatis), Hibernate, jQuery, EasyUI, zTree, ECharts
Big-data Related:	Hadoop, ZooKeeper, Hbase, Hive, Flume, Kafka, Storm, Spark
IDE & Softwares:	Eclipse, Anaconda, SQLyog, PowerDesigner, VMware, Xshell, JSONView
Others Skills:	Nginx, Maven, SVN, Sqoop, JSON, Avro, JAVA NIO, RESTful, Git,
English:	TOEFL(103), GRE(323+4)