

EDUCATION

Master of Information Science University of Pittsburgh	Aug. 2017 - May. 2019
Bachelor of Engineering in Network Security People's Public Security University of China	Sept. 2013 - June. 2017

SKILLS

Programming Language	Java, Python, Scala, C#, MATLAB, C++
Website build& development	SpringMVC, MyBatis, Hibernate, JavaScript, HTML, Node.js, ASP.Net
PlatForms & Tools	AWS, GCP, Azure, MySQL, MongoDB, Neo4j, Docker, Kubernetes, Spark, Hadoop, HBase, Kafka

EXPERIENCE

NetEase YanXuan <i>Software Engineer Intern</i>	May. 2018 - Aug. 2018 <i>Java, SpringMVC, MyBatis</i>
<ul style="list-style-type: none">· Worked on the core technical team and mainly dutied for the development of an online store backend with more than 30 million users to achieve offline store retail, cashier and warehouse management with Java, Springboot and Mybatis.· Designed the interface for sale and store parts of the system and implement all function on the controller level and remote service implements. Reduced time(nearly 90%) for data transmitting from the database to the controller level with implementing a ranking algorithm.· Implemented store-check function with Redis and Distributed locks with Redis.· Processed data with Hadoop and analyzed it to predict sales trends and developed visualization tool with D3.js.	
G20 Summit <i>Part-time Software Engineer</i>	May. 2016 - July. 2016 <i>C++, MySQL, ASP.Net</i>
<ul style="list-style-type: none">· Identified transportations by using SSD(single shot multibox detector) and rescheduled the Signal Algorithm to improve 35% traffic capacity.· Maintained the city's population database with ODB and participated in the development of citizen system.· Developed a tool with Python and Bash for improving search system and implementing software self-translating function.	
Standard Chartered Bank <i>Software Engineer Intern</i>	Jan. 2016 - Feb. 2016 <i>C#, MySQL, Python</i>
<ul style="list-style-type: none">· Contributed to the maintenance and development of the bank system backendstage with C#.· Learned system architecture and associated business logic of modern banking system.· Participated in fund data analysis and forecast.	

PROJECTS

Twitter social dataset analysis and services	Feb. 2018 - May. 2018
<ul style="list-style-type: none">· Used MapReduce and Hadoop to process over 100 million records (around 1TB) of Twitter users, and designed different databases with MySQL and HBase for different request formats.· Designed special row-key of HBase for a quick scan which reduced the cost for the record's weight calculation. Updated the query's weight with the real-time search frequency and page-rank algorithm with user's information.· Implemented Auto-scaling according to the rps and deployed instances to handle high peek access.Designed load-balancer and discovery systems with high available instances' groups and Round-Robin Algorithm.· Developed the backend with Java and Vert.X for range scan and weight calculation, connected front-end with Ajax and used JDBC with databases.	
Yelp Restaurant Recommendation System	Oct. 2017 - Dec. 2017
<ul style="list-style-type: none">· Implemented crawlers with Python to get restaurants' information and user reviews and ratings from Yelp. Processed the dataset (Over 30GB) with MapReduce and Hadoop to get tokens and evaluated it.· Designed a dictionary for high-frequency tokens and corresponded words. Determined the weighting algorithm and updated restaurant scores according to user's feedback and user's rating.· Developed the backend with Java and SpringMVC, and also achieved the fuzzy search and match function with Levenshtein and N-Gram algorithms.	
Parallel Processing of Taxi System	Mar. 2018 - May. 2018
<ul style="list-style-type: none">· Analyzed user and drivers' dataset with Spark and Page-Rank algorithm, and evaluated it. Designed a message queue with producer and consumer to realize the function of Kafka.· Fetched two real-time streams(users and drivers) from consumer and determined the matched driver according to distance, gender, and scores which with different weight coefficient.· Developed the node.js application which leverages deck.gl and react-map-gl to render driver locations and trips.	