
EDUCATION

- Beijing University of Chemical Technology** Beijing
 - School of Science / B.S. in Applied Chemistry* *Sep. 2014 - Jul. 2018*

PROFESSIONAL EXPERIENCES

- ByteDance (Tik Tok Parent Company)** Beijing
 - Software Development Engineer* *Jun 2018 - present*
 - Responsible for the development of the fundamental + live business of the App DCar, including feeds, live broadcasts, article and video pages, instant messaging, private messages push, widgets(like banner), covering App 75 % of traffic)
 - Designed and developed from scratch, App's service disaster recovery and every levels' demotion, widget dispatch engine, private messages push, optimized feed distribution engine, significantly improved distribution efficiency
- Baidu (AIG, Knowledge Graph Group)** Beijing
 - Algorithms Engineering Intern* *May 2017 - Aug 2017*
 - Based on Hadoop platform, using naive bayesian method to do the data mining for all Baidu encyclopedia data, adding 3 million unknown knowledge graph data, and the accuracy rate was above 95 %.
 - Based on internal deep learning platform LegoNet, using neural network method to process the data of the search results and optimize the sorting of existing search results.
- Megvii (Face++)** Beijing
 - Software Engineering Intern* *Jun 2016 - Oct 2016*
 - Protobuf IDL gateway generator, based on Protobuf Generator, generate complete RESTful-RPC api gateway.
 - Developed a deep learning training monitor via D3.js library internally. Designed a front-end cache structure to load data dynamically, and solved and optimized massive data visualization problem.
 - Designed console interface of Deep Learning Cloud, which can be applied for virtual machine, modification and monitoring functions.
- EasyEasyOversea (<https://easyeasyoversea.com>)** Beijing
 - Independent Developer* *Jan 2017 - Feb 2017*
 - The Best App for studying abroad. It changes and optimize the situation of information asymmetry.
 - In the first week, The times of searches is over 100,000 +, and was contacted by three angel investors, actively sought cooperation by six major companies in the field.
 - Application technologies include ElasticSearch, Redis, Django, crawlers and their scheduling, front-end side includes React, D3.js, Material Design
- Institute of Computing Technology, Chinese Academy of Sciences** Beijing
 - Software Engineering Intern* *Dec 2016 - Jan 2017*
 - In the group of Sun Yuzhong, responsible for the development of a big data platform project (non-public) in the group, during which read some big data papers.

COMPETITION EXPERIENCES

- American Mathematical Modeling Contest / 2nd prize (Honorable Mention)** Feb 2016
 - Fit the data from Algeria's available water resources, medical investments, and government regulatory data to obtain the correlations based on a gray system. Proposed KNN tricks to model the location of wells.
- Amazon AWS Hackathon, Beijing / 3rd Prize (team leader)** Sep 2016
 - Used Golang and Javascript development via gRPC, React and Docker methods to realize the configuration files, automatically generating a complete set of front-end monitoring service. The source of the data is called by the scattered cluster in gRPC. Improved the structural support of the monitor's information source.
- BloomBerg Code Your Way to Global Data / 1st prize** Nov 2016
 - Wrote a automated downloading acquisitions case(PDF) script and use Word2Vec algorithms to find target

AWARDS

- Renmin third prize scholarship** Jul 2015

SKILLS

- Familiar with traffic distribution services, with rich experience.
- Skilled in Go, familiar with Python, C, Javascript, Ruby
- Skilled in data structures and algorithms, web protocol, database
- Familiar with distributed system principles, Raft protocol, database principles
- Language: Mandarin(native speaker), English (CET-6), Japanese (N2)