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**EDUCATION**

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

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**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>)** *Jan 2017 - Feb 2017*
  - Independent Developer*
    - 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 Yuzhong Sun, responsible for the development of a big data platform project (non-public) in the group, during which read some big data papers.

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**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

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**AWARDS**

- Renmin third prize scholarship** *Jul 2015*

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**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)

# 陈阳洋

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## 教育背景

- 北京化工大学  
理学院 / 应用化学  
2014.9 – 2018.7

## 实践经历

- 字节跳动  
后端基础工程师  
2018.6 – 至今  
  - 负责字节跳动旗下App懂车帝的基础+直播两大业务线的研发工作 (包含了所有Feed, 直播, 图文视频详情页, 私信, 消息, 资源位, App 75%以上流量及头条系大部分汽车模块的流量)
  - 负责从零设计落地懂车帝服务各级容灾降级, 资源位投放引擎, 站内信push, 优化feed分发引擎, 显著提升分发效率
- 百度 (人工智能部 知识图谱组)  
算法实习生  
2017.5 – 2017.9  
  - 在Hadoop平台上使用朴素贝叶斯方法对已有数据进行数据挖掘, 新增300万的知识图谱连接数据, 正确率在95%
  - 使用内部深度学习框架LegoNet, 用神经网络对搜索的点击结果的数据进行处理, 优化现有搜索结果的排序
- Megvii (Face++)  
软件开发实习生  
2016.6 – 2016.10  
  - 基于Protobuf IDL的网关生成器, 基于Protobuf Generator, 生成完整RESTful-RPC的api gateway
  - 使用D3.js编写了内部深度学习训练的监控, 通过编写前端缓存结构, 实现数据动态加载, 优化海量数据的前端展示问题
  - 使用React写内部云的控制台界面
- EasyEasyOversea (<https://easyeasyoversea.com>)  
独立开发  
2017.1 – 2017.2  
  - 最好的留学工具, 改变了当下学生想留学但信息不对称的问题, 简化了申请海外院校和企业的过程, 独立设计开发运营
  - 刚上线一周, 搜索次数就超十万+, 被三家天使投资主动联系, 被六家该领域主要公司主动寻求合作
  - 应用技术包括ElasticSearch, Redis, Django, 爬虫及其调度, 前端包括React, D3.js, Material Design
- 中国科学院计算研究所 (计算机体系结构国家重点实验室)  
实习生  
2016.12 – 2017.1  
  - 在孙毓忠老师组, 负责组内某大数据平台项目(非公开)开发工作, 期间了解部分各大数据平台原理

## 比赛经历

- 美国数学建模大赛(MCM/ICM)(队长) / 二等奖(Honorable Mention)  
2016.2  
  - 对阿尔及利亚的可用水资源, 医疗投入, 政府监管等数据进行拟合分析得相应的数据关系, 并基于灰色系统理论进行建模
  - 巧用Kmeans方法对取水点建模
- 亚马逊AWS Hackathon Beijing(队长) / 三等奖  
2016.9  
  - 使用Golang + Javascript开发, 使用了Grpc, React, Docker技术, 可基于一份JSON 配置文件, 生成一整套前端监视器服务, 数据来源是通过Rpc调用的分散的集群的数据, 并对监视器的信息源提高结构支持
- BloomBerg Code Your Way to Global Data / 一等奖  
2016.11  
  - 编写脚步自动化下载并购案例, 并使用Word2Vec算法找出相关度很高的词进行自动化文本抓取与处理

## 获奖

- 人民三等奖学金  
2015.7

## 技能

- 对流量分发业务熟悉, 有丰富经验
- 熟悉使用Go, 掌握Python, 了解 C, Javascript, Ruby, Java
- 掌握基本数据结构和算法, 常见数据挖掘, 机器学习相关基本原理及应用
- 熟悉分布式原理, Raft协议, 数据库原理
- 语言: 英语(CET-6), 日语(N2)