Chen Yangyang

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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
  Backend Architecture Engineer — *Jun 2017 - present*
  - Responsible for its car app's backend architecture , and optimize its feed performance to 20% at least, develop and enrich the composition of the feed and content
  - Responsible for the interaction with Bytedance's other apps like TopBuzz, Tik Tok, and optimize these apps' car-related advertise serving
  - Build and maintain internal OLAP platform for video, articles, users, recommendation systems from scratch

- **Baidu (AIG, Knowledge Graph Group)** — Beijing
  Algorithms Engineering Intern — *May 2017 - Aug 2017*
  - In the internal 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 %.
  - In 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*
  - Built a JSON-gRPC gateway application generator based on Google Protobuf coded by Golang, which can read a .proto file and automatically generate a complete set of Goroutine RESTful Web service.
  - 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)**
  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.
  - The main technologys are: ElasticSearch, React, Django, D3.js, libev, web crawler, high performance cache, Mysql and MongoDB

- **Juicy (github.com/salamer/Juicy)**
  Independent Developer — *Dec 2017 – Jan 2018*
  - Distributed Key/Value Database, With the implementation of the Raft consensus algorithm in Go, and it support the data compress and persistence.

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

- **Master web development, web crawler scraping.**
- **Skilled in Python, Go, familiar with C, Javascript, Ruby**
- **Skilled in data structures and algorithms, web protocol, database**
- **Familiar with data mining, machine learning**
- **Language: Mandarin(native speaker), English (CET-6), Japanese (basic daily communication)**