

Yusheng Ding

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Professional Experience

Software Engineer - Apple Inc.

Nov. 2019 - Present

- Data pipeline tracking resource utilization: **Python3, Airflow, Druid, MySQL, Hadoop, S3**
- Resource management system: **Golang, Kubernetes, Docker, python3**
- Alerting system for monitoring data pipeline (systems and data) based on preset events and rules
- Testing framework for monitoring resource management system API endpoints

Software Engineer - Freelancer & co-Founder

Aug. 2018 - Sep. 2019

- A mobile app to post and view product deals in real time (Sole Developer)
 - Frontend: **JavaScript, React Native, Redux**
 - App backend: **Python 3, Django REST framework, MySQL, Docker, Nginx, Unicorn**
 - Deals are fetched via open API and web crawler: **Python 3, Requests, Selenium, BeautifulSoup**
- Ethereum Mobile Wallet
 - Developed **Android** side using **Java**

Data Engineer - Tantan Technology Ltd.

Aug. 2017 - Aug. 2018

Tantan is a LBS based dating app and the second most popular dating app in Chinese market

- Built and maintained Tantan's data warehouse containing more than 10 million daily active user's data (1 TB daily on average). Migrated data from production database to data warehouse, co-designed table schemas. (**Python, Sqoop, Hadoop, Spark, Hive, PostgreSQL, Java, Airflow**)
- Implemented automation tools for monitoring and collecting system errors, transferring data from Postgres to data warehouse, etc. (**Python, Php**)
- Developed, maintained and optimized Tantan's Business Intelligent systems and migrated the old BI system (**PHP, Highcharts.js, HTML, CSS**) to the new BI system (**Python, Superset, JavaScript**).
- Maintained analytics database (Postgres) for BI. Implemented and maintained daily scripts jobs for updating data look up aggregation tables in databases. (**Python, Shell, Php, Crontab, Linux**)
- Collaborated with different teams to clarify requirements and generate data reports. Provided support for data analysis and defining key metrics. Automated a script to generate critical daily reports for enterprise decision management. (**Python, Php, PostgreSQL, Presto, Hive, Airflow, Crontab**)

Product Manager - Art1001 Network Technology (Beijing) Co., Ltd.

Dec. 2016 - Aug. 2017

Art1001 aims at utilizing Internet to provide better decoration and renovation solutions

- Planned, designed and managed software products for Art1001 (Web, Android, iOS) including online shopping mall, Coordination system for different roles in decoration and Labor booking platform, etc.
- Collaborated with different teams and roles to manage projects process, progress and priorities
- Built and led product department including product team and UI&UX team
- Built and standardized product development process

Other Experience

Translator and Proofreader (Volunteer) - Khan Academy

Jun. 2018 - Present

Research Assistant - Data Science Lab, Auburn University

Aug. 2014 - May. 2016

<http://auburn.edu/academic/engineering/dslab/>

- *RFID indoor movement research*
- *Master Thesis: A Location-Based Recommendation System Using a Hidden Markov Model*

Software Developer Intern - RFID Lab

June. 2015 - Sept. 2015

Auburn University, Alabama, USA

<http://https://rfid.auburn.edu/>

Education

Auburn University

May. 2016

Master of Science in Computer Science

Chongqing University of Posts and Telecommunications (CQUPT)

Jun. 2013

Bachelor of Engineering in Computer Software Engineering; Minor: English