

# 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, REST API, gRPC**)
- 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