

# Yusheng Ding

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For Github and More, Please visit: <https://formatmemory.github.io/>

## Work Experience

### Data Engineer - Tantan Technology Ltd.

Aug. 2017 - Present

Beijing, China

Tantan (<https://tantanapp.com/>) is a LBS based dating app aims at creating more chances for people to meet their Mr and Miss Right. Tantan is the second most popular dating app in China.

- Develop, optimize and maintain Tantan's two Business Intelligent systems and migrate the old BI system (self-developed, *PHP, Highcharts.js, html, css*) to the new BI system(open-source, *Superset, python*).
- Maintain data engineering team's databases (*Postgre*). Develop and maintain daily scripts jobs for updating data look up aggregation tables in databases. (*Shell, Php, Python, Crontab, Linux*)
- Develop and maintain Tantan's data warehouse. Migrate data from production database to data warehouse, co-design data warehouse table schemas and tables. (*Scoop, Hadoop, Spark, Hive, PostgreSQL, Python, Java, Airflow, Scala, Flink*)
- Communicate with different teams to clarify requirements and generate data reports. Provide support for analyzing data and defining key matrixes. Develop automation tools for generating frequently needed data reports. (*PostgreSQL, Python, Php, Presto, Hive, Airflow, Crontab*)
- Develop automation tools, eg. tool for monitoring and weekly summarize system errors, tool for generating daily job scripts of transferring data from Postgre database to the data warehouse, etc. (*Python, Php*)

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

Dec. 2016 - Aug. 2017

Beijing, China

Art1001 (<http://art1001.com/>) is a company aims at utilizing Internet solutions to provide better experience of decoration and renovation for Chinese families and companies.

- Planned, designed and managed software products for Art1001 and it's sub company 1001door (Web, Android, IOS) including 1001 online shopping mall, Coordination system for different roles in decoration and Labor booking platform, etc..
- Communicated with different teams and roles and managed projects develop process for different products.
- Built and led product department including product team, UI&UX team.
- Built and standardized product development process.

### Research Assistant - Information Laboratory (current Data Science Lab),

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

Aug. 2014 – May. 2016

Auburn University, Alabama, USA

#### RFID indoor movement research

- Researched, designed and implemented a grocery store recommendation system based on Radio Frequency Identification (RFID) as well as user's movement patterns. A movement behaviors simulator was also developed to validate the recommendation system.
- Master Thesis: *A Location-Based Recommendation System Using a Hidden Markov Model*.

### Internship - RFID Laboratory, Auburn University

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

Auburn University, Alabama, USA

June. 2015 – Sept. 2015

- Collected and analyzed data to investigate the performance of large-scale RFID (Radio Frequency Identification) deployments.
- Developed tools for inventory management, data analysis which decreases 90% of data maintenance time cost.

## Education

### Auburn University

May. 2016

Master of Science in Computer Science; GPA: 3.7/4.0

*Tuition fully waived because of my good performance on Teaching Assistance job*

### Chongqing University of Posts and Telecommunications (CQUPT)

Jun. 2013

Bachelor of Engineering in Software Engineering; GPA: 3.4/4.0      Ranking: top 5%

Minor: English

Outstanding Graduate(<6%), First class national scholarship(<3%), etc., Vice president of student union