

# Yusheng Ding

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

## **Work Experience**

### **Translator and Proofreader (Volunteer) - Khan Academy**

*Jun. 2018 - Present*

*Remote*

Participate in Khan Academy Mandarin Translation Project. Our goal is to bring free and quality education to the world.

- Translate text from English learning materials to Simplified Chinese
- Proofread and control quality of translated learning materials

### **Data Engineer - Tantan Technology Ltd.**

*Aug. 2017 - Aug. 2018*

*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.

- Developed automation tools, eg. tool for monitoring and collecting system errors, tool for generating daily job scripts of transferring data from Postgres database to the data warehouse, etc. (Python, Php)
- Developed, optimized and maintained Tantan's two Business Intelligent systems and migrated the old BI system (self-developed, PHP, Highcharts.js, html, css) to the new BI system(open-source, python, Superset, javascript).
- Maintained data engineering team's databases (Postgres). Developed and maintained daily scripts jobs for updating data look up aggregation tables in databases. (Python, Shell, Php, Crontab, Linux)
- Built and maintained Tantan's data warehouse. Migrated data from production database to data warehouse, co-designed data warehouse table schemas and tables. (Python, Scoop, Hadoop, Spark, Hive, PostgreSQL, Java, Airflow, Scala, Flink)
- Communicated 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. (Python, Php, PostgreSQL, Presto, Hive, Airflow, Crontab)

### **Head of Product Development - 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

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

*Jun. 2013*

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