

WENYAN YANG

Soochow University, Suzhou City
ywy940215@gmail.com

EDUCATION

- | | |
|--|----------------------------|
| Soochow University
Master in Computer Science and Technology | <i>Sep 2016 - Jun 2019</i> |
| Soochow University
Bachelor in Computer Science and Technology | <i>Sep 2012 - Jun 2016</i> |

PROJECT EXPERIENCE

Financial Knowledge Graph Construction	Feb 2018 - Now
---	----------------

- Tools & Environment : Python and Neo4j
- This project will construct a financial knowledge graph. I am mainly responsible for data crawling and management. In the process of data management, the conflation of corporation and employee information is mainly involved. Finally, I will publish industry and commerce data to neo4j graph database. Besides, I also write some data reading APIs for front-end staff.

Model Travel Behavior Similarity with Trajectory Embedding	Sep 2017 - Dec 2017
---	---------------------

- Tools & Environment : Python and Matlab
- This project will mine behavior similarity among users based on their activity trajectory. With the activity time being separated into several slots according to the activity-based temporal distribution, I utilize trajectory embedding technique to exploit the sequence property of the activity trajectories by treating them as paragraphs. Then a hash-based method is presented to reduce the dimensions for improving the efficiency of users' similarity calculation.

Ethereum Technology and Practice	Jul 2017 - Dec 2017
---	---------------------

- Participated in compiling the book - Ethereum Technology and Practice, I am in charge of the second chapter, which mainly introduces the basic components and structure of Ethereum. This book focuses on the Ethereum blockchain and makes up for the lack of Ethereum technology in the country.

Customer Segmentation and Prediction	Mar 2016 - May 2016
---	---------------------

- Tools & Environment : Matlab and IBM SPSS Modeler
- Use the clustering methods to do the customer segmentation for the pharmacy medical system customer. In the Recency-Frequency-Monetary(RFM) model, the customer have been divided into several parts and we provide explanations for each part of customers.
- According to the customer's consumption history, we predict the customer's repeated consumption with some supervised learning methods.

WORK EXPERIENCE

Microsoft Suzhou <i>Software Engineer Intern</i>	Feb 2018 - August 2018
--	------------------------

- I join Xiaoice & CJK team as a software engineer intern.

Soochow University <i>Teaching Assistant</i>	Mar 2017 - Jun 2017
--	---------------------

- Serve as the teaching assistant in the course of database system concepts.

ACTIVITY EXPERIENCE

The Minister of Practice Department

Oct 2016 - Jun 2017

- Host a job-seeking experience exchange meeting and assist in holding warm winter volunteer service activities.

The League secretary

Oct 2017 - Jun 2019

- Help students who need to join the party to apply for membership, and manage the organization information of the "smart league construction" system.

REWARD HONOR

National Scholarship

Sep 2018

Outstanding graduate student cadres

May 2018

Outstanding graduate student

May 2017

TECHNICAL SKILLS

Programming Languages

Python(Proficient), C/C++, Java

Software & Tools

Matlab, SQL Server, Neo4j, MySQL, IBM SPSS Modeler

PUBLICATIONS

Wenyan Yang, Yan Zhao, Kai Zheng, et al. Modeling Travel Behavior Similarity with Trajectory Embedding[M]. Database Systems for Advanced Applications, 2018.

Yan Zhao, Jia Zhu, Wenyan Yang, et al. A Novel Hybrid Friends Recommendation Framework for Twitter[C]. International Asia Pacific Web Conference, 2017.

Yang Li, Mengdi Jia, Wenyan Yang, et al. Optimal Task Assignment Algorithm for Spatial Crowdsourcing based on Tree Decomposition[C]. National Database Conference, 2017.